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THE

# HARVARD UNIVERSITY

# CATALOGUE.

## 1895–96

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# 1895.

## JULY.

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# CALENDAR.

*The meetings of the* PRESIDENT AND FELLOWS *are held on the second and on the last Monday of every month.*

**1895.**

*Sept. 26, Thursday.* **Academic Year begins** in all departments of the University.

*Sept. 26, 27, Thursday* and *Friday.* Examinations for admission to the Law School.

*Sept. 26, 27, Thursday* and *Friday.* Examinations for admission to advanced standing in the Law School.

*Oct. 9, Wednesday.* Stated Meeting of the Board of Overseers.

*Nov. 28, Thursday.* Thanksgiving day; a holiday.

RECESS FROM DEC. 23, 1895, TO JAN. 2, 1896, INCLUSIVE.

**1896.**

*Jan. 8, Wednesday.* Stated Meeting of the Board of Overseers.

*Jan. 30, Thursday.* Second half-year begins in the Medical School.

*Feb. 10, Monday.* **Second half-year begins** (except in the Medical School).

*Feb. 22, Saturday.* Washington's Birthday; a holiday.

*Feb. 29, Saturday.* Last day for receiving applications of candidates for Final Honors in Natural History in 1897.

*March 31, Tuesday.* Last day for receiving applications for all Graduate Fellowships and Scholarships, and for College Scholarships to be assigned to Graduate Students.

*March 31, Tuesday.* Last day for re-engaging College Rooms for 1896–97.

*April 1, Wednesday.* Last day for receiving applications of candidates for Second-Year Honors.

*April 1, Wednesday.* Last day for receiving dissertations for the Boylston Medical Prizes.

*April 8, Wednesday.* Stated Meeting of the Board of Overseers.

RECESS FROM APRIL 19 TO APRIL 25, INCLUSIVE.

*April 29, Wednesday.* Last day for receiving names of competitors for the Boylston Prizes for Elocution.

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|---|---|
| *April 30, Thursday.* | Applications from Graduate Students for admission to examination for any degree should be made on or before this date. |
| *April 30, Thursday.* | Last day for receiving essays for the Ropes Prize |
| *May 1, Friday.* | Last day for receiving from Divinity School Students applications for Scholarships and other Pecuniary Aid for 1896–97. |
| *May 1, Friday.* | Last day for receiving from persons intending to enter College applications for Price Greenleaf Aid for 1896–97. |
| *May 1, Friday.* | Last day for receiving dissertations for the Dante, Sargent, Paine, Toppan, Sumner, and Bennett Prizes. |
| *May 1, Friday.* | Notice of intention to compete for the Sales prizes must be given on or before this date. |
| *May 1, Friday.* | Last day for receiving theses of Candidates for the degree of Ph.D. or S.D. |
| *May 1, Friday.* | Last day for receiving applications for College Rooms for 1896–97. |
| *May 4, Monday.* | Assignment of College Rooms for 1896–97. |
| *May 14, Thursday.* | Speaking for the Boylston Prizes. |
| *May 27, Wednesday.* | Last day for receiving from undergraduates applications for College Scholarships, and for Price Greenleaf Aid for 1896–97. |
| *May 30, Saturday.* | Last day for receiving applications for Medical School Fellowships or Scholarships for 1896–97, (except the Cheever and Hayden Scholarships). |
| *May 30, Saturday.* | Memorial Day; a holiday. |
| *June 1, Monday.* | Last day for receiving applications for Scientific School and Law School Scholarships for 1896–97. |
| *June 1, Monday.* | Examinations in the Dental School begin. |
| *June 3, Wednesday.* | Examinations in the Medical School begin. |
| *June 19, Friday.* | Seniors' Class Day. |
| *June 23, Tuesday.* | Examinations for admission to the Dental School. |
| *June 25, Thursday.* | Examinations for admission to the Veterinary School. |
| *June 23, 25, 26, 27, Tuesday* to *Saturday.* | Examinations for admission to Harvard College, and to the Lawrence Scientific School. |
| *June 24, Wednesday.* | **Commencement.** Stated Meeting of the Board of Overseers. |

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SUMMER VACATION OF FOURTEEN WEEKS, FROM COMMENCEMENT DAY TO SEPTEMBER 30, INCLUSIVE.

*June 25, 26, Thursday* and *Friday*. Examinations for admission to the Law and Medical Schools.

*July 6, Monday*. Summer School opens.

*Sept. 24, 25, 26, 28, Thursday* to *Monday*. Examinations for admission to Harvard College, and to the Lawrence Scientific School.

*Sept. 28, Monday*. Examinations for admission to the Medical School and the Dental School.

*Sept. 28, Monday*. Examinations begin in the Medical and Dental Schools.

*Sept. 29, Tuesday*. Examinations for admission to the Veterinary School.

*Sept. 30, Wednesday*. Annual Meeting of the Board of Overseers.

*Oct. 1, Thursday*. **Academic Year begins** in all departments of the University.

*Oct. 1, 2, Thursday* and *Friday*. Examinations for admission to the Law School.

*Oct. 1, 2, Thursday* and *Friday*. Examinations for admission to advanced standing in the Law School.

*Oct. 14, Wednesday*. Stated Meeting of the Board of Overseers.

*Oct. 31, Saturday*. Last day for receiving applications of candidates for Final Honors in 1897.

*Oct. 31, Saturday*. Last day for receiving dissertations for the Bowdoin Prizes.

*Nov. 26, Thursday*. Thanksgiving day; a holiday.

*Nov. 30, Monday*. Last day for receiving applications for the Cheever and Hayden (Medical) Scholarships.

*Dec. 1, Tuesday*. Last day for receiving applications for aid from the Loan Fund.

## ABBREVIATIONS.

| | | | |
|---|---|---|---|
| C. | College House. | H'y | Holworthy Hall. |
| C't | Conant Hall. | M. | Matthews Hall. |
| D. | Divinity Hall. | P. | Perkins Hall. |
| D. H. | Divinity House. | S. | Stoughton Hall. |
| F. | Foxcroft House. | T. | Thayer Hall. |
| G. | Grays Hall. | W. | Weld Hall. |
| H. | Hollis Hall. | W. H. | Walter Hastings Hall. |
| H'ke | Holyoke House. | | |

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# ADMINISTRATIVE OFFICERS.

## THE UNIVERSITY.

*President:* CHARLES W. ELIOT, LL.D.
Office, 5 University Hall, Cambridge.

*Treasurer:* EDWARD W. HOOPER, A.B., LL.B.

*Deputy Treasurer:* ALLEN DANFORTH, A.M.
The office of the Corporation (and Treasurer and Deputy Treasurer) is at 50 State St., Boston. Office hours, 10 A.M. to 2 P.M. Saturday 10 A.M. to 12 M.

*Bursar:* CHARLES F. MASON, A.B.
Office, Wadsworth House, Cambridge. Office hours, 9 A.M. to 1 P.M.

*Recording Secretary:* BYRON S. HURLBUT, A.M.
Office, 5 University Hall, Cambridge. Office hours, Tuesday, Thursday, Friday, Saturday, 9 A.M. to 12 M. From July 1 to Aug. 15, 12 M. to 1 P.M. Aug. 16 to Sept. 30, daily, 9 A.M. to 12 M.

*Corresponding Secretary:* RICHARD COBB, A.B.
Office, 5 University Hall, Cambridge. Office hours, Monday, Wednesday, Friday, Saturday, 9 A.M. to 12M. During summer vacation, daily, 9 A.M. to 12 M.

*The Office, 5 University Hall, is open from 9 A.M. to 4 P.M. Saturday 9 A.M. to 12 M. (From Aug. 15 to Sept. 15, 9 A.M. to 1 P.M.)*

## THE FACULTIES, THE COLLEGE, AND THE PROFESSIONAL SCHOOLS.

*Dean of the Faculty of Arts and Sciences:* JAMES M. PEIRCE, A.M.
Office, 10 University Hall, Cambridge. Office hours, Tuesday 11 A.M. to 1 P.M.

*Recorder of the Faculty of Arts and Sciences:* GEORGE W. CRAM, A.B.
Office, 5 University Hall, Cambridge. Office hours, 9 A.M. to 12 M., 2 P.M. to 4 P.M. Saturday 9 A.M. to 12 M.

*Dean of Harvard College:* LE BARON R. BRIGGS, A.M.
Office, 5 University Hall, Cambridge. Office hours, Monday, Tuesday, Friday, 10 A.M. to 12.30 P.M.

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*Regent of Harvard College:* GEORGE A. BARTLETT, A.M.
Office, 5 University Hall, Cambridge.

*Dean of the Lawrence Scientific School:* NATHANIEL S. SHALER, S.D.
Office, 1 Museum.

*Dean of the Graduate School:* JOHN H. WRIGHT, A.M.
Office, 10 University Hall, Cambridge. Office hours, Monday, Thursday, 3 to 4 P.M.

*Dean of the Divinity Faculty:* CHARLES C. EVERETT, D.D., LL.D.
Office, 1 Divinity Library, Cambridge. Office hours Monday, Wednesday, Friday, 12 M., Tuesday, Thursday, Saturday, 10 A.M.

*Secretary of the Divinity Faculty:* ROBERT S. MORISON, A.M., D.B.
Office, Divinity Library. Office hours, daily, 9 A.M. to 1 P.M.

*Dean of the Law Faculty:* JAMES BARR AMES, A.M., LL.B.
Office, Austin Hall, Cambridge.

*Dean of the Medical Faculty:* WILLIAM L. RICHARDSON, A.M., M.D.
Office, Harvard Medical School, corner of Boylston and Exeter Streets, Boston. Office hours, Tuesday, Friday, 12.15 to 1 P.M.

*Secretary of the Medical Faculty:* CHARLES P. WORCESTER, A.B., M.D.
Office, Harvard Medical School, corner of Boylston and Exeter Streets, Boston. Office hours, Monday, Wednesday, 2 to 3 P.M.

*Dean of the Dental Faculty:* EUGENE H. SMITH, D.M.D.
The Dental School is on North Grove Street, Boston. The office of the Dean is at 283 Dartmouth St., Boston. Office hours, 9 A.M. to 4 P.M.

*Acting Dean of the School of Veterinary Medicine:* FREDERICK H. OSGOOD, M.R.C.V.S.
Office, Veterinary Hospital, 50 Village Street, Boston.

*Dean of the Bussey Institution:* FRANCIS H. STORER, S.B., A.M.
The Bussey Institution is in Jamaica Plain. The nearest railway and telegraph station is Forest Hills, on the Boston and Providence Railroad.

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## COLLECTIONS AND LABORATORIES.

*Librarian of the University:* JUSTIN WINSOR, LL.D.
Office, Gore Hall, Cambridge.

*Librarian of the Divinity School:* ROBERT S. MORISON, A.M., D.B.
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*Librarian of the Law School:* JOHN H. ARNOLD.
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*Curator of the Warren Anatomical Museum:* WILLIAM F. WHITNEY, M.D.

*Curator of the Dental Museum:* WALDO E. BOARDMAN, D.M.D.

*Surgeon in charge of Veterinary Hospital:* FREDERICK H. OSGOOD, M.R.C.V.S.

*Curator of the Veterinary Museum:* WESLEY L. LABAW, D.V.S.

*Superintendent of the Bussey Farm:* EDMUND HERSEY.
The post-office address of the Farm Superintendent is Roslindale.

*Director of the Chemical Laboratory:* HENRY B. HILL, A.M.
The Chemical Laboratory is in Boylston Hall, Cambridge.

*Director of the Jefferson Physical Laboratory:* JOHN TROWBRIDGE, S.D.
The Jefferson Physical Laboratory is on Holmes Field, Cambridge.

*Director and Curator of the Museum of Comparative Zoölogy:* ALEXANDER AGASSIZ, LL.D.

*In charge of the Botanical Museum:* GEORGE L. GOODALE, M.D., LL.D.
The Botanical Laboratories are in the same building.

*Curator of the Semitic Museum:* DAVID G. LYON, PH.D.

*Curator of the Peabody Museum of Archaeology and Ethnology:* FREDERICK W. PUTNAM, A.M., S.D.
The Museums are on Oxford Street and Divinity Avenue, Cambridge.

*Curator of the Fogg Museum of Art:* CHARLES H. MOORE, A.M.

*Curator of the Herbarium:* BENJAMIN L. ROBINSON, PH.D.

*Director of the Botanic Garden:* GEORGE L. GOODALE, M.D., LL.D.
The Herbarium and Botanic Garden are at the corner of Garden and Linnaean Streets, Cambridge.

*Director of the Astronomical Observatory:* EDWARD C. PICKERING, LL.D.
The Observatory is at the corner of Garden and Bond Streets, Cambridge.

*Director of the Arnold Arboretum:* CHARLES S. SARGENT, A.B.
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# THE GOVERNMENT OF THE UNIVERSITY.

HARVARD COLLEGE was founded in 1636, by a vote passed at an adjourned meeting (October 28, Old Style) of the General Court of the Colony of Massachusetts Bay which convened on September 8th of that year.

The language of the vote was as follows: —

"The Court agree to give Four Hundred Pounds towards a *School* or *College*, whereof Two Hundred Pounds shall be paid the next year, and Two Hundred Pounds when the work is finished, and the next Court to appoint where and what building."

The ensuing year (1637) the General Court appointed twelve of the most eminent men of the colony (among whom were John Cotton and John Winthrop) "to take order for a college at Newtown." The name, "Newtown," was soon afterwards changed by the General Court to *Cambridge*, in recognition of the English University where many of the colonists had been educated.

The following year (1638) John Harvard, a non-conforming clergyman of England, who had been in the colony about one year, died at Charlestown, leaving half of his whole property and his entire library (about 800 volumes) to the institution. The value of this bequest was more than double the entire sum originally voted by the Court, and it was resolved to open the College at once, and to give it the name of *Harvard*. The first class was formed in the same year.

In 1642, during the administration of the first President, Henry Dunster, the general government of the College and the management of its funds were placed in the hands of a *Board of Overseers* established and empowered by the following Act of the General Court: —

"THE ACT

"ESTABLISHING THE OVERSEERS OF HARVARD COLLEGE.

"*At a General Court held at Boston on the 8th of September, in the Year 1642.*

"WHEREAS, through the good hand of God upon us, there is a College founded in Cambridge, in the county of Middlesex, called HARVARD COLLEGE, for the encouragement whereof this Court has given the sum of four hundred pounds, and also the revenue of the ferry betwixt Charlestown and Boston, and that the well ordering and managing of the said College is of great concernment, —

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"It is therefore ordered by this Court and the authority thereof, that the Governor and Deputy-Governor for the time being, and all the magistrates of this jurisdiction, together with the teaching elders of the six next adjoining towns, — viz. Cambridge, Watertown, Charlestown, Boston, Roxbury, and Dorchester, — and the President of the said College for the time being, shall, from time to time, have full power and authority to make and establish all such orders, statutes, and constitutions as they shall see necessary for the instituting, guiding, and furthering of the said College and the several members thereof, from time to time, in piety, morality, and learning; as also to dispose, order, and manage, to the use and behoof of the said College and the members thereof, all gifts, legacies, bequeaths, revenues, lands, and donations, as either have been, are, or shall be conferred, bestowed, or any ways shall fall or come to the said College.

"And whereas it may come to pass that many of the said magistrates and elders may be absent, or otherwise employed in other weighty affairs, when the said College may need their present help and counsel, — it is therefore ordered, that the greater number of magistrates and elders which shall be present, with the President, shall have the power of the whole. *Provided*, that if any constitution, order, or orders, by them made, shall be found hurtful unto the said College, or the members thereof, or to the weal public, then, upon appeal of the party or parties grieved unto the company of Overseers first mentioned, they shall repeal the said order or orders, if they shall see cause, at their next meeting, or stand accountable thereof to the next General Court." *

The Board of Overseers appears to have been found too large a body to have the immediate direction of the College, and in 1650, through the efforts of President Dunster and others, a charter was granted to the College by the General Court, by which the College was made a *Corporation*, consisting of the President, five Fellows, and a Treasurer, or Bursar, to have perpetual succession by the election of members to supply vacancies, and to be called by the name of the *President and Fellows of Harvard College*. The powers conferred by this Act were accompanied with a provision which required that all Orders and By-Laws of the Corporation should have the consent of the Overseers before they went into operation. This provision was found inconvenient and embarrassing in practice, and in 1657 a law was passed, called "An Appendix to the College Charter," by which the acts of the Corporation were declared to have immediate force and effect, and to be merely "alterable" by the Overseers, to whom the Corporation was to be "responsible."

* This Act is copied from "The General Laws of the Massachusetts Colony, revised and published by order of the General Court in October, 1658"; which was the second editon of the Laws of the Colony, and was printed in 1660. It varies slightly in phraseology from the Act contained in the Records of the General Court, Vol. II. page 24.

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The text of the College Charter, and of the Appendix to the same, is as follows: —

## "THE CHARTER

### OF THE PRESIDENT AND FELLOWS OF HARVARD COLLEGE, UNDER THE SEAL OF THE COLONY OF MASSACHUSETTS BAY, AND BEARING DATE MAY 31, A.D. 1650.

"Whereas, through the good hand of God, many well-devoted persons have been, and daily are, moved and stirred up to give and bestow sundry gifts, legacies, lands, and revenues, for the advancement of all good literature, arts, and sciences, in HARVARD COLLEGE, in Cambridge, in the county of Middlesex, and to the maintenance of the President and Fellows, and for all accommodations of buildings, and all other necessary provisions that may conduce to the education of the English and Indian youth of this country in knowledge and godliness, —

"It it therefore ordered and enacted by this Court and the authority thereof, that for the furthering of so good a work, and for the purposes aforesaid, from henceforth that the said College in Cambridge, in Middlesex, in New England, shall be a Corporation, consisting of seven persons, to wit, a President, five Fellows, and a Treasurer or Bursar; and that HENRY DUNSTER shall be the first President, SAMUEL MATHER, SAMUEL DANFORTH, Masters of Art, JONATHAN MITCHELL, COMFORT STARR, and SAMUEL EATON, Bachelors of Art, shall be the five Fellows, and THOMAS DANFORTH to be present Treasurer, all of them being inhabitants in the Bay, and shall be the first seven persons of which the said Corporation shall consist; and that the said seven persons, or the greater number of them, procuring the presence of the Overseers of the College, and by their counsel and consent, shall have power, and are hereby authorized, at any time or times, to elect a new President, Fellows, or Treasurer, so oft, and from time to time, as any of the said person or persons shall die or be removed; which said President and Fellows for the time being shall forever hereafter, in name and fact, be one body politic and corporate in law, to all intents and purposes, and shall have perpetual succession, and shall be called by the name of *President and Fellows of Harvard College*, and shall from time to time be eligible as aforesaid; and, by that name, they and their successors shall and may purchase and acquire to themselves, or take and receive upon free gift and donation, any lands, tenements, or hereditaments, within this jurisdiction of the Massachusetts, not exceeding the value of five hundred pounds per annum, and any goods and sums of money whatsoever to the use and behoof of the said President, Fellows, and scholars of the said College; and also may sue and plead, or be sued and impleaded, by the name aforesaid, in all courts and places of judicature within the jurisdiction aforesaid.

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"And that the said President, with any three of the Fellows, shall have power, and are hereby authorized, when they shall think fit, to make and appoint a common seal for the use of the said Corporation. And the President and Fellows, or the major part of them, from time to time, may meet and choose such officers and servants for the College, and make such allowance to them, and them also to remove, and, after death or removal, to choose such others, and to make from time to time such orders and by-laws, for the better ordering and carrying on the work of the College, as they shall think fit; *provided* the said orders be allowed by the Overseers. And also that the President and Fellows, or major part of them, with the Treasurer, shall have power to make conclusive bargains for lands and tenements, to be purchased by the said Corporation for valuable considerations.

"And, for the better ordering of the government of the said College and Corporation,— Be it enacted by the authority aforesaid, that the President and three more of the Fellows shall and may from time to time, upon due warning or notice given by the President to the rest, hold a meeting for the debating and concluding of affairs concerning the profits and revenues of any lands, and disposing of their goods (provided that all the said disposings be according to the will of the donors), and for direction in all emergent occasions, execution of all orders and by-laws, and for the procuring of a general meeting of all the Overseers and Society, in great and difficult cases, and in cases of non-agreement; in all which cases aforesaid, the conclusion shall be made by the major part, the said President having a casting voice, the Overseers consenting thereunto. And that all the aforesaid transactions shall tend to and for the use and behoof of the President, Fellows, scholars, and officers of the said College, and for all accommodations of buildings, books, and all other necessary provisions and furnitures as may be for the advancement and education of youth in all manner of good literature, arts, and sciences.

"And, further, be it ordered by this Court and the authority thereof, that all the lands, tenements, or hereditaments, houses, or revenues, within this jurisdiction, to the aforesaid President or College appertaining, not exceeding the value of five hundred pounds per annum, shall from henceforth be freed from all civil impositions, taxes, and rates; all goods to the said Corporation, or to any scholars thereof, appertaining, shall be exempted from all manner of toll, customs, and excise whatsoever; and that the said President, Fellows, and scholars, together with the servants, and other necessary officers to the said President or College appertaining, not exceeding ten, — viz. three to the President and seven to the College belonging, — shall be exempted from all personal civil offices, military exercises or services, watchings and wardings; and such of their estates, not exceeding one hundred pounds a man, shall be free from all country taxes or rates whatsoever, and none others.

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"In witness whereof, the Court hath caused the seal of the Colony to be hereunto affixed. Dated the one and thirtieth day of the third month, called May, anno 1650.

"[L. S.] THO: DUDLEY, *Governor.*"*

"AN APPENDIX TO THE COLLEGE CHARTER, GRANTED BY AN ACT OF THE GENERAL COURT OF THE COLONY, PASSED A.D. 1657.

"*At a General Court held at Boston, the 14th of October, 1657.*

"In answer to certain proposals presented to this Court by the Overseers of HARVARD COLLEGE, as an appendix to the College Charter, it is ordered, —

"The Corporation shall have power, from time to time, to make such orders and by-laws, for the better ordering, and carrying-on of the work of the College, as they shall see cause, without dependence upon the consent of the Overseers foregoing. *Provided always*, that the Corporation shall be responsible unto, and those orders and by-laws shall be alterable by, the Overseers, according to their discretion.

"And when the Corporation shall hold a meeting, and agreeing with college servants, for making of orders and by-laws, for debating and concluding of affairs concerning the profits and revenues of any lands or gifts, and the disposing thereof (provided that all the said disposals be according to the will of the donors), for managing of all emergent occasions, for the procuring of a general meeting of the Overseers and Society in great and difficult cases, and in cases of non-agreement, and for all other college affairs to them pertaining, — in all these cases the conclusion shall be valid, being made by the major part of the Corporation, the President having a casting vote. *Provided always*, that, in these things also, they be responsible to the Overseers as aforesaid.

"And in case the Corporation shall see cause to call a meeting of the Overseers, or the Overseers shall think good to meet of themselves, it shall be sufficient unto the validity of college acts, that notice be given to the Overseers in the six towns mentioned in the printed law anno 1642, when the rest of the Overseers, by reason of the remoteness of their habitations, cannot conveniently be acquainted therewith." †

The Corporation and the Board of Overseers remain to the present time the governing powers of the University; and this charter with its appendix is now in force precisely as first drafted, notwithstanding that several attempts were made, during the first fifty years of its existence, to alter it

* The above is a copy of the original Charter, engrossed on parchment, under the signature of Governor Dudley, with the Colony seal appendant, in the custody of the President and Fellows of Harvard College. The Charter, varying slightly in phraseology, is also contained in the Records of the General Court, Vol. IV. page 10.

† This act is taken from the Records of the General Court, Vol. IV. page 265.

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or to substitute another in its place. Several new charters which would have essentially changed the organization of the College passed both branches of the Colonial Legislature, but failed to receive the sanction of the King or Governor, and none of the proposed changes ever actually went into operation. The last attempt to obtain a new college charter from the Crown was in 1700, when a draft of a charter was prepared "to be solicited for to his Majesty," which passed both branches of the Legislature, but was never presented to the King.

After the constitution of the College had been for a number of years in this unsettled condition, the General Court in 1707 passed the following vote, reasserting the integrity and force of the Charter of 1650, and it remains "the venerable source of collegiate authority" to this day.

"EXTRACT FROM A RESOLVE OF THE PROVINCIAL GENERAL COURT, PASSED A.D. 1707, DECLARING THE COLLEGE CHARTER OF 1650 NOT REPEALED, AND DIRECTING THE PRESIDENT AND FELLOWS OF THE COLLEGE TO EXERCISE THE POWERS GRANTED BY IT.

"*At a Great and General Court for her Majesty's Province of the Massachusetts Bay, begun and held at Boston upon the 28th of May, 1707, and continued by several prorogations unto the 29th of October following, being the third session.*

"IN COUNCIL.

"*Thursday, December 4, 1707.*

"And inasmuch as the first foundation and establishment of that House [Harvard College, in Cambridge], and the government thereof, had its original from an act of the General Court, made and passed in the year 1650, which has not been repealed or nulled, — the President and Fellows of the said College are directed, from time to time, to regulate themselves according to the rules of the Constitution by the said Act prescribed, and to exercise the powers and authorities thereby granted for the government of that House, and the support thereof.

"*Saturday, December 6, 1707.*

"The Representatives returned the Vote passed in Council, the 4th current, referring to the College, with their concurrence thereunto.

"By his Excellency the Governor, consented to,

"JOSEPH DUDLEY."*

In 1780, when a Constitution was framed for the new Commonwealth of Massachusetts, the following Articles were introduced, securing to the President and Fellows of Harvard College the perpetual enjoyment of all their vested rights and powers, and providing for the organization of the Board of Overseers.

* This resolve is taken from the Records of the General Court, Vol. VIII. page 344.

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"THE ARTICLES OF THE CONSTITUTION OF THE COMMONWEALTH OF MASSACHUSETTS, CONFIRMING AND SECURING TO HARVARD COLLEGE THE PERPETUAL POSSESSION AND ENJOYMENT OF ALL ITS ESTATES, RIGHTS, POWERS, AND PRIVILEGES.

"CHAPTER V.

"SECT. I. — *The University.*

"ARTICLE 1. — Whereas our wise and pious ancestors, so early as the year one thousand six hundred and thirty-six, laid the foundation of HARVARD COLLEGE, in which University many persons of great eminence have, by the blessing of God, been initiated in those arts and sciences which qualified them for public employments both in Church and State; and whereas the encouragement of arts and sciences and all good literature tends to the honor of God, the advantage of the Christian religion, and the great benefit of this and the other United States of America, — It is declared that the *President and Fellows of Harvard College* in their corporate capacity, and their successors in that capacity, their officers and servants, shall have, hold, use, exercise, and enjoy all the powers, authorities, rights, liberties, privileges, immunities, and franchises which they now have, or are entitled to have, hold, use, exercise, and enjoy; and the same are hereby ratified and confirmed unto them, the said President and Fellows of Harvard College, and to their successors, and to their officers and servants respectively, for ever.

"ART. 2. — And whereas there have been at sundry times, by divers persons, gifts, grants, devises of houses, lands, tenements, goods, chattels, legacies, and conveyances, heretofore made either to Harvard College, in Cambridge, in New England, or to the President and Fellows of Harvard College, or to the said College by some other description, under several charters successively, — It is declared that all the said gifts, grants, devises, legacies, and conveyances are hereby for ever confirmed unto the President and Fellows of Harvard College, and to their successors in the capacity aforesaid, according to the true intent and meaning of the donor or donors, grantor or grantors, devisor or devisors.

"ART. 3. — And whereas, by an Act of the General Court of the Colony of Massachusetts Bay, passed in the year one thousand six hundred and forty-two, the Governor and Deputy-Governor for the time being, and all the magistrates of that jurisdiction, were with the President, and a number of the clergy in the said Act described, constituted the Overseers of Harvard College; and it being necessary, in this new Constitution of government, to ascertain who shall be deemed successors to the said Governor, Deputy-Governor, and magistrates,—It is declared that the Governor, Lieutenant-Governor, Council, and Senate of this Commonwealth are and shall be deemed their successors; who with the President of Harvard College for

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the time being, together with the ministers of the Congregational churches in the towns of Cambridge, Watertown, Charlestown, Boston, Roxbury, and Dorchester, mentioned in the said Act, shall be, and hereby are, vested with all the powers and authority belonging or in any way appertaining to the Overseers of Harvard College. *Provided*, that nothing herein shall be construed to prevent the Legislature of this Commonwealth from making such alterations in the government of the said University as shall be conducive to its advantage, and the interests of the republic of letters, in as full a manner as might have been done by the Legislature of the late Province of the Massachusetts Bay."

On February 12, 1814, the Senate and House of Representatives of the State of Massachusetts passed the following Act, relating to the Power of the President and Fellows of Harvard College of holding Real Estate: —

"AN ACT

TO ENLARGE THE POWER OF THE PRESIDENT AND FELLOWS OF HARVARD COLLEGE OF HOLDING REAL ESTATE.

*Be it enacted by the Senate and House of Representatives in General Court assembled, and by the authority of the same:*

That the President and Fellows of Harvard College and their successors in office, be and they are hereby authorized to purchase, accept, take and hold lands, tenements and hereditaments within this Commonwealth to the clear yearly value of twelve thousand dollars, in addition to what they now are by law authorized to hold, and in addition to the public buildings of said University occupied by the students and for other public purposes."

Passed 12th February, 1814.

The previous limitations on the power of the President and Fellows to accept and hold real estate were removed March 13, 1889, by the following Act of the Senate and House of Representatives of Massachusetts: —

"AN ACT

TO ENLARGE THE POWER OF THE PRESIDENT AND FELLOWS OF HARVARD COLLEGE TO HOLD TAXABLE REAL ESTATE.

*Be it enacted by the Senate and House of Representatives in General Court assembled, and by the authority of the same, as follows:*

SECT. 1. The President and Fellows of Harvard College may accept, take and hold, and may sell at their discretion, unless expressly forbidden by the terms of gift, any real estate within or without this Commonwealth which has been or may hereafter be given or devised to them for

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educational purposes; and they may, from time to time, invest any portion of the property held by them, as they may think judicious, in productive real estate within the Commonwealth, and may sell any such estate at their discretion: *provided, however*, that nothing herein contained shall be construed to give the said corporation any claim to greater exemption from taxation than it now has under the constitution and laws of this Commonwealth.

SECT. 2. This Act shall take effect upon its passage."

Approved March 13, 1889.

It remains to notice certain changes in the constitution of the Board of Overseers, relating to eligibility to office, mode of appointment or election, and the connection between the College and the Commonwealth.

The first important change occurred in the year 1810. Under the Act of 1642 and the clauses of the State Constitution of 1780, the Board was composed of the Governor, Lieutenant-Governor, Council, and Senate of Massachusetts, and the Congregational ministers of certain specified towns. In the early days of the College this enumeration included almost all the educated men of the Colony; but in the course of time other classes rose to power and influence, and it became desirable that the Overseers should be able to place among their number other persons eminently qualified for such a position, and that the right to a seat at the Board should be no longer incidental and casual, but be made elective and permanent. Many of the members of the Senate also desired to be relieved of their duties towards the College.* Accordingly in March, 1810, an Act was passed by the State Legislature entitled "An Act to alter and amend the Constitution of the Board of Overseers of Harvard College," and consisting of six sections. By the first it is enacted that "The Governor, Lieutenant-Governor, Counsellors, President of the Senate, and Speaker of the House of Representatives of the Commonwealth, and the President of Harvard College for the time being, with fifteen ministers of Congregational churches and fifteen laymen, all inhabitants within the State, to be elected as is hereafter mentioned, shall for ever hereafter constitute the Board of Overseers of Harvard College."

The second and fifth sections provide for the election of the ministers and laymen, the said elections being made by the ballots of the major part of the Overseers present at a legal meeting.

The third section relates to the choice and duties of a Secretary, the time and manner of meeting, and the duty of presiding at the meetings.

The fourth section specifies when the seat of a minister or of a member shall become vacant, and confers the power of removal from office in certain cases.

* See Quincy's *History of Harvard University*, ii. 294.

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The sixth and last section is as follows: —

"This Act shall be in force when the Overseers of Harvard College, as heretofore constituted, and the President and Fellows of Harvard College, shall agree to accept the provisions in this Act contained."

The principle that the Commonwealth could not change the constitution of the College, without the consent of the Corporation and Overseers, was thus distinctly recognized; and the chartered rights of the College were respected and maintained, at the same time that a more efficient organization was established for the Board of Overseers.

The provisions of this Act were accepted by the President and Fellows on the 16th of March, 1810; and by the Overseers on the 12th of April, in the same year.

In 1812, the Legislature, in direct opposition to a memorial from the Corporation, and without making any provision for the consent of the Corporation or Overseers, repealed this Act, and restored the former organization of the Board; but in 1814, the Act of 1812 was itself repealed, and that of 1810 re-enacted with the addition that the Senate of the Commonwealth should in future form part of the Board of Overseers. This Act also contained the provision that it should not take effect until it was accepted by the Overseers and by the President and Fellows of Harvard College. The Act was accepted by both Boards in March of the same year.

Until 1834, clergymen, to be eligible to the Board of Overseers, must be Congregationalists; but an Act was passed by the Legislature of that year opening the Board to clergymen of all denominations, — the Act to take effect whenever accepted by both branches of the College government. It was accepted by them in 1843.

Another Act, "to change the organization of the Board of Overseers," was passed in 1851. It made the Board to consist of, —

"The Governor, Lieutenant-Governor, President of the Senate, and Speaker of the House of Representatives of the Commonwealth, the Secretary of the Board of Education, and the President and Treasurer of Harvard College, for the time being, together with thirty other persons, as hereinafter defined and described, and no others."

The Act also divided the Board into six equal classes, to be elected and to go out of office in rotation, as described in the following sections: —

"Sect. 3. — The thirty persons, who, in addition to the *ex-officio* members thereof, now constitute the Board of Overseers, shall be divided into three classes of ten each, by lot or otherwise, as they themselves may determine; and the persons of the first class shall go out of office on the day of the next annual meeting of the General Court, and their places be supplied by joint ballot of the Senators and Representatives of the Commonwealth, assembled in one room; and the persons of the second class shall

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go out of office on the day of the annual meeting of the General Court, which will be in the year one thousand eight hundred and fifty-three, and their places be supplied in like manner by joint ballot of the Senators and Representatives; and the persons of the third class shall go out of office on the day of the annual meeting of the General Court, which will be in the year one thousand eight hundred and fifty-four, and their places be supplied in like manner by joint ballot of the Senators and Representatives. *Provided* that the persons of each of the said outgoing classes shall continue in office for two months after the day of the said annual meeting of the General Court, unless their successors shall have been sooner chosen by the Senators and Representatives.

"SECT. 4. — When the Board of Overseers shall have been wholly renewed in the manner prescribed in the foregoing section, the members thereof shall be divided into six equal classes, by subdivision of the previous classes into two each, according to lot or otherwise, as the Board may determine, and having regard to seniority of service among the said previous classes in arranging the order of precedence of the new series; and the said six classes shall thereafter go out of office in rotation, and in order of precedence as thus defined, one at each successive annual meeting of the General Court, and their places be supplied by joint ballot of the Senators and Representatives.

"SECT. 7. — No member of the General Court which elects shall be eligible to a place in the said Board of Overseers; and no person shall be re-eligible for more than one term immediately succeeding that for which he shall have been first elected."

This Act was not to go into effect until "the Board of Overseers, as heretofore constituted, and the President and Fellows of Harvard College respectively, at meetings held for that purpose during the present session of the General Court, shall by vote have assented to the same." The two Boards concurred as required.

Meanwhile an opinion was everywhere gaining ground that it would be better for the community and the interests of learning, as well as for the University, if the power to elect the Overseers were transferred from the Legislature to the graduates of the College. A bill to this effect was introduced into the Senate in 1854, which passed through most of the preliminary stages, but failed to be enacted; partly, as it was thought at the time, from the pressure of business at the close of the session. The purpose was finally carried out in 1865, by the passage of the following Act in relation to the Board of Overseers of Harvard College: —

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## "AN ACT

### In Relation to the Board of Overseers of Harvard College.

"Section 1. — The places of the successive classes in the Board of Overseers of Harvard College, and the vacancies in such classes, shall hereafter be annually supplied by ballot of such persons as have received from the College a degree of Bachelor of Arts, or Master of Arts, or any honorary degree, voting on Commencement Day in the city of Cambridge; such election to be first held in the year eighteen hundred and sixty-six; *provided, however*, that no member of the Corporation, and no officer of government or instruction in said College, shall be eligible as an Overseer, or entitled to vote in the election of Overseers; and *provided further*, that no person who has received from said College the degree of Bachelor of Arts shall be entitled to vote for Overseers before the fifth annual election after the graduation of his class.

"Sect. 2. — The Board of Overseers shall annually appoint one principal and two or more assistant-inspectors of polls, who shall, on Commencement Day, from the hour of ten in the forenoon to the hour of four in the afternoon, at some place in said city of Cambridge, fixed by said Board, receive the votes for Overseers, and they shall sort and count such votes, and make public declaration thereof, after the closing of the polls; and said inspectors shall be provided with a complete list of the persons qualified to vote at such election, and no person shall vote until the inspectors find and check his name upon such list. The names of the persons voted for, the number of votes received for each person, and the vacancy or place in said Board for which he is proposed, shall be entered in words at length, by said inspectors, upon a record kept by them for that purpose, which shall, after such election, be forthwith made up, signed, and delivered by them to the Board of Overseers. The persons who shall receive the highest number of votes for the places or vacancies in said Board shall, to the number of Overseers to be elected, be deemed and shall be declared by said Board elected to be members thereof.

"Sect. 3. — The Board of Overseers shall give notice of the place of the polls, the hours during which they are open, and the number of Overseers to be elected, by publishing the same at least ten days before Commencement Day in some newspaper printed in the city of Boston.

"Sect. 4. — The terms of office of the existing classes of Overseers are extended to the close of Commencement Day of the year in which such terms severally expire; the terms of office of the classes hereafter elected shall successively expire at the close of Commencement Day each year in their order; and the persons elected Overseers on any Commencement Day shall supply the places of the class of Overseers which goes out of office at the close of that day, and the vacancies then existing in said Board.

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"SECT. 5. — Whenever there shall be a failure on Commencement Day to supply any places or vacancies in the Board of Overseers, the same may be filled by vote of the remaining Overseers; and any person elected to fill a vacancy shall be deemed to be a member of and to go out of office with the class to which his predecessor belonged.

"SECT. 6. — The Governor, Lieutenant-Governor, President of the Senate, Speaker of the House of Representatives, and Secretary of the Board of Education shall not be *ex-officio* members of the Board of Overseers of Harvard College after this Act shall be in force.

"SECT. 7. — This Act shall be in force when the Board of Overseers and the President and Fellows of Harvard College, respectively, at meetings held for that purpose, shall by vote have assented to the same.

"SECT. 8. — This Act shall not be construed as in the nature of a contract or a charter, but may at any time be repealed at the pleasure of the Legislature." [April 28, 1865.]

This Act, having been duly assented to by the Overseers on the 21st of September, 1865, and by the President and Fellows on the 15th of December of the same year, is now the law.

In the Act of 1810 it is specified that the members of the Board of Overseers shall be "all inhabitants within the State." This restriction was removed by the following Act in 1880: —

"AN ACT

TO PROVIDE FOR THE ELIGIBILITY OF PERSONS NOT INHABITANTS OF THIS COMMONWEALTH AS OVERSEERS OF HARVARD COLLEGE.

"SECTION I. — Persons not inhabitants of this Commonwealth and otherwise qualified shall be eligible as Overseers of Harvard College.

"SECTION II. — This Act shall take effect on its acceptance by the President and Fellows and by the Board of Overseers of Harvard College, respectively, at meetings held for that purpose." [March 5, 1880.]

This Act was accepted by the President and Fellows on May 31, 1880, and by the Overseers on June 2, 1880.

The method of election of Overseers of Harvard College, described in Section 2 of the Act of 1865, was amended by the following Act in 1889: —

"AN ACT

TO AMEND CHAPTER 173 OF THE ACTS OF THE YEAR 1865 IN RELATION TO THE BOARD OF OVERSEERS OF HARVARD COLLEGE.

*Be it enacted, etc., as follows:*

SECT. 1. Section 2 of Chapter 173 of the Acts of the year 1865 is

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amended by striking out all of said section after the word "list" in the eleventh line thereof, and by inserting in place thereof the following: The names of the persons voted for, and the number of votes received for each person, shall be entered in words at length by said inspectors upon a record kept by them for that purpose, which shall, after such election, be forthwith made up, signed and delivered by them to the Board of Overseers. The persons who shall receive the highest number of votes for the places in said board shall, to the number of overseers to be elected, be deemed and declared by said board elected to be members thereof for the following terms, to wit: The five persons receiving the highest number of votes shall be declared elected to the class having the longest term, and in case any vacancy or vacancies exist in any other class or classes, the person voted for shall be declared elected to such vacancy or vacancies according to the number of votes received by them, the person or persons receiving the next highest number of votes being declared elected to the class having the next longest term to run, and so on in order for other vacancies. In case, by reason of a tie, it should be uncertain to which class any persons should be declared elected, the Board of Overseers shall by vote determine to which classes the persons receiving the same number of votes shall be assigned.

SECT. 2. This Act shall take effect upon its passage."

This Act was approved March 19, 1889.

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# STATUTES OF THE UNIVERSITY.

1. THE UNIVERSITY. Harvard University comprehends the following departments: Harvard College, the Lawrence Scientific School, the Graduate School, the Divinity School, the Law School, the Medical School, the Dental School, the School of Veterinary Medicine, the Bussey Institution (a School of Agriculture), the Arnold Arboretum, the University Library, the Museum of Comparative Zoölogy, the University Museum, the Botanic Garden, the Herbarium, and the Astronomical Observatory. The Peabody Museum of American Archaeology and Ethnology is a constituent part of the University; but its relations to the University are affected by peculiar provisions.

2. PRESIDENT. It is the duty of the President of the University to call meetings of the Corporation, and preside at the same; to act as the ordinary medium of communication between the Corporation and the Overseers, and between the Corporation and the Faculties; to make an annual report to the Overseers on the general condition of the University; to preside on public academic days; to preside over the several Faculties; to direct the official correspondence of the University; to acquaint himself with the state, interests, and wants of the whole institution; and to exercise a general superintendence over all its concerns. For the better discharge of these duties, he must live in Cambridge.

3. TREASURER. The Treasurer has the custody of all the property of the University. He is required to submit his accounts, and all evidences of the property under his charge, to the committees of inspection appointed by the Corporation and Overseers severally, and to make annually to the Overseers a statement of the receipts and expenditures of the University.

The Treasurer of the College may from time to time, and for periods of time while he holds the office, nominate a Deputy Treasurer, who, if appointed by the Corporation, and confirmed by the Overseers, shall have such of the powers and perform such of the duties of the Treasurer as the Corporation shall think fit, except the powers and duties of the Treasurer as a member of the Corporation, and of the Board of Overseers. A Deputy Treasurer shall receive such portion of the Treasurer's salary as the Corporation shall approve, and the Treasurer and Deputy Treasurer shall give to the Corporation their joint and several bond in the sum of one hundred thousand dollars for the faithful performance of his duties by the Deputy Treasurer.

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The Bursar and the Superintendent of Buildings are under the direction of the Treasurer, and are his agents in Cambridge.

All officers who are intrusted with property belonging to the University are required to keep inventories of the same, which are subject to the inspection of the Treasurer; and to have all such property designated as University property by suitable marks.

4. Tenures of Office. In all departments of the University, professorships are held without express limitation of time. Assistant professorships are held for five years, and tutorships for not more than three years. At the end of the term of an Assistant Professor or Tutor, his connection with the University ceases, unless he be reappointed. Lecturers are appointed for not more than one year. Instructors are appointed for such terms as convenience may require. Tutors and Instructors are responsible, in regard to their subjects and methods of teaching, to the Professors in their respective branches of study. Proctors are appointed for not more than one year, to assist the Faculties in the conduct of examinations, and in the preservation of order and decorum within the University precincts. All officers of instruction and government are subject to removal for inadequate performance of duty, or for misconduct.

5. University Council. The University Council consists of the President, Professors, and Assistant Professors of the University and such other University officials as the Corporation with the consent of the Overseers may appoint members of the Council. It is the function of the Council to consider questions which concern more than one Faculty, and questions of University policy.

6. Faculties. Harvard College, the Lawrence Scientific School, and the Graduate School are together under the immediate charge of a Faculty, — the Faculty of Arts and Sciences. The other Schools of the University are each under the immediate charge of a Faculty. Each Faculty is composed of all the Professors, Assistant Professors, and Tutors, and of all the Instructors appointed for a term longer than one year, who teach in the department or departments under the charge of that Faculty. The President is a member of each Faculty.

A Faculty may, at its discretion, delegate any of its powers relating to ordinary matters of administration and discipline, except the power to inflict the penalties of dismission and expulsion, to Administrative Boards, nominated from among its members by the President, and appointed by the Corporation with the consent of the Overseers. Every such Board shall be subject to the authority of the Faculty from which it is appointed. Any Administrative Board established for Harvard College shall consist of not less than fifteen members.

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7. DEANS. Each Faculty has a Dean, who is appointed by the Corporation, with the consent of the Overseers, from among the members of the Faculty. Harvard College, the Lawrence Scientific School, and the Graduate School also have each a Dean, who is appointed by the Corporation, with the consent of the Overseers, from among the members of the Faculty of Arts and Sciences. Each Dean is the chief executive officer of his Faculty, College, or School, is responsible for the proper preparation and conduct of its business, and makes an annual report to the President.

8. ACADEMIC YEAR. The Academic Year begins on the Thursday following the last Wednesday in September. The annual Commencement is held on the last Wednesday in June. The vacation begins at Commencement and ends on the last Wednesday in September. The Christmas recess begins on the 23d of December, and ends on the 2d of January. The Spring recess begins on the Sunday next preceding the 19th of April, or on Sunday the 19th of April when that day falls on Sunday, and ends on the following Saturday, both days inclusive. The twenty-second day of February, the thirtieth day of May, and Thanksgiving day are holidays.

9. DEGREES. The ordinary degrees of Bachelor of Arts, Bachelor of Science, Master of Arts, Civil Engineer, Doctor of Philosophy, Doctor of Science, Bachelor of Divinity, Bachelor of Laws, Doctor of Medicine, Doctor of Dental Medicine, Doctor of Veterinary Medicine, and Bachelor of Agricultural Science are conferred, after recommendation by the several Faculties, by vote of the Corporation, with the consent of the Overseers. It is required that no candidate for the ordinary degrees be recommended, except after thorough public examination, and a residence at the University of at least one year. There are four grades of the degree of Bachelor of Arts and of the degree of Bachelor of Science, and two grades of the degree of Bachelor of Laws and of the degree of Doctor of Medicine. Honorary degrees are conferred by vote of the Corporation, with the consent of the Overseers. The degrees conferred by the University are announced at Commencement.

10. STUDENTS NOT CANDIDATES FOR A DEGREE. Persons who are not candidates for a degree may be admitted to any of the courses of instruction given in the University, provided that they satisfy the appropriate Faculty of their fitness to pursue the particular courses which they elect. The several Faculties have the right to deprive any such student of his privileges, if he abuse or fail to use them.

11. BONDS AND REGISTRATION. Every student must, on his admission to any department of the University, give a bond to the Treasurer or the Bursar, in such a sum as shall from time to time be determined by the Corporation, for the payment of his dues to the University; or he must make payment in advance, or secure payment by a deposit. He must

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then enter his name, and such other particulars as may be required by the several Faculties, respectively, with the Dean of his Faculty.

12. Discipline. The several Faculties have authority to impose fines and levy assessments for damage done to property; to inflict, at their discretion, the penalties of admonition, suspension, dismission, and expulsion; and to use all other appropriate means of discipline; but no student shall be dismissed or expelled from the University except by a vote of at least two thirds of the members of his Faculty present and voting thereon. Suspension is a separation from the University for a fixed period of time. It may be accompanied with a requirement of residence in a specified place, and of the performance of specified tasks. Dismission closes a student's connection with the University, without necessarily precluding his return. Expulsion is the highest academic censure, and is a final separation from the University.

13. Parietal Board. The proctors and the officers of instruction who reside in University buildings, or in buildings to which the superintendence of the University extends, constitute the Parietal Board. It is their duty, under the direction of the Regent, to prevent offences against order and decorum within the University precincts, and to assist the Regent in his supervision of the buildings in which they live.

14. Regent. The Regent is a University officer who exercises a general supervision over the conduct and welfare of the students. It is his duty to direct the proctors who reside in University buildings, or in buildings to which the superintendence of the University extends. He is expected to inform himself of the condition and management of all buildings in which five or more students are lodged, or in which students' societies meet. He is also expected to inform himself fully about all students' societies and clubs, and to enforce the responsibility of the officers and members thereof for their proceedings.

15. University Preachers. Five preachers to the University are annually appointed by the President and Fellows, with the consent of the Board of Overseers, who, in conjunction with the Plummer Professor of Christian Morals, arrange and conduct the religious services of the University.

16. Religious Services. Daily prayers are held in the Chapel during term time.

Seats are provided, at the expense of the College, for all students who attend the Sunday services of the several religious denominations having established places of worship in the immediate vicinity of the College.

17. Divinity School. No assent to the peculiar doctrines or practices of any denomination of Christians is required of instructors or students in the Divinity School.

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18. LIBRARY. The Library in Gore Hall is for the use of the whole University. Its privileges are also granted, under special regulations to persons not connected with the University.

The Librarian and the Assistant Librarians are chosen in the same manner as officers of instruction and government, and are under the same liability to removal.

The Librarian has the care and custody of the Library. It is his duty to superintend its internal administration, enforce the rules, and conduct the correspondence; and to make annually a written report on the condition of the Library to the Library Committee of the Overseers and to the President.

19. COUNCIL OF THE LIBRARY. The general control and oversight of the Library is committed to the Council of the Library, consisting of the President, the Librarian, and six other persons, who are appointed by the Corporation, with the consent of the Overseers, for the term of three years. Any vacancy occurring in the Council is filled in the same manner for the unexpired portion of the term.

It is the duty of the Council to make rules for the administration of the Library; to direct the purchase of books, to the extent of the funds applicable for that purpose; and to visit and inspect the Theological, Law, Medical, and other special libraries.

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# GOVERNING BOARDS OF THE UNIVERSITY.

## CORPORATION.*

PRESIDENT.

CHARLES WILLIAM ELIOT, LL.D., 17 Quincy St., Cambridge.

FELLOWS.

MARTIN BRIMMER, A.B., 47 Beacon St., Boston.
HENRY PICKERING WALCOTT, A.B., M.D., 11 Waterhouse St., Cambridge.
HENRY LEE HIGGINSON, A.M., 44 State St., Boston.
SAMUEL HOAR, A.B., Concord.
FRANCIS CABOT LOWELL, A.B., 709 Exchange Building, Boston.

TREASURER.

EDWARD WILLIAM HOOPER, A.B., LL.B., Fayerweather St., Cambridge.

## OVERSEERS.

The PRESIDENT and TREASURER of the University, *ex officio*, and the following persons by election: —

1896.†

GEORGE BRUNE SHATTUCK, A.M., M.D., 183 Beacon St., Boston.
EDWIN PLINY SEAVER, A.M., LL.B., Waban.
HENRY HARRISON SPRAGUE, A.M., 19 Milk St., Boston.
SOLOMON LINCOLN, A.M., LL.B., *President*, 191 Commonwealth Ave., Boston.
FRANCIS RAWLE, A.M., LL.B., 328 Chestnut St., Philadelphia, Pa.

1897.

THOMAS JEFFERSON COOLIDGE, A.M., Ames Building, Boston.
GEORGE OTIS SHATTUCK, A.B., LL.B., 166 Beacon St., Boston.
CHARLES RUSSELL CODMAN, A.M., LL.B., 57 Marlborough St., Boston.
CHARLES JOSEPH BONAPARTE, A.B., LL.B., 216 St. Paul St., Baltimore, Md.
CHARLES FOLLEN FOLSOM, A.M., M.D., 15 Marlborough St., Boston.

* The legal title of the Corporation is "PRESIDENT AND FELLOWS OF HARVARD COLLEGE."

† The term expires, in each case, on Commencement Day of the year indicated.

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1898.

HENRY LEE, A.M., 40 State St., Boston.
GEORGE EVERETT ADAMS, A.M., LL.B., 530 Belden Ave., Chicago, Ill.
JAMES COOLIDGE CARTER, LL.D., 54 Wall St., New York, N. Y.
STEPHEN MINOT WELD, A.M., 89 State St., Boston.
MOORFIELD STOREY, A.M., 735 Exchange Building, Boston.

1899.

MOSES WILLIAMS, A.B., 18 Post Office Square, Boston.
ROBERT McNEIL MORSE, A.B., 57 Equitable Building, Boston.
ARTHUR THEODORE LYMAN, A.M., 39 Beacon St., Boston.
WILLIAM AMOS BANCROFT, A.B., 5 Putnam Ave., Cambridge.
ROBERT SWAIN PEABODY, A.M., 919 Exchange Building, Boston.

1900.

AUGUSTUS HEMENWAY, A.B., 10 Tremont St., Boston.
CHARLES COTESWORTH BEAMAN, A.M., 52 Wall St., New York, N. Y.
SAMUEL ABBOTT GREEN, A.M., M.D., 30 Tremont St., Boston.
WILLIAM LAWRENCE, D.D., 101 Brattle St., Cambridge.

1901.

THEODORE ROOSEVELT, A.B., Police Headquarters, New York, N. Y.
CHARLES FRANCIS ADAMS, LL.D., 23 Court St., Boston.
EDMUND WETMORE, A.B., LL.B., 34 Pine St., New York, N. Y.
ROBERT BACON, A.B., 23 Wall St., New York, N. Y.
ROBERT GRANT, PH.D., LL.B., 104 Marlborough St., Boston.

SECRETARY OF THE BOARD OF OVERSEERS.

ALEXANDER McKENZIE, D.D., 12 Garden St., Cambridge.

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## OFFICERS OF INSTRUCTION AND GOVERNMENT.*

| | RESIDENCE.† |
|---|---|
| CHARLES WILLIAM ELIOT, LL.D., PRESIDENT, | 17 Quincy St. |
| JOSIAH DWIGHT WHITNEY, LL.D., *Sturgis Hooper Professor of Geology*, | 2 Divinity Ave. |
| WOLCOTT GIBBS, M.D., LL.D., *Rumford Professor and Lecturer on the Application of Science to the Useful Arts, Emeritus*, | Newport, R. I. |
| ——— ———, *Professor of Entomology.* | |
| ——— ———, *Smith Professor of the French and Spanish Languages and Literatures, and Professor of Belles Lettres.* | |
| FRÂNCIS JAMES CHILD, PH.D., LL.D., *Professor of English*, | 67 Kirkland St. |
| GEORGE MARTIN LANE, PH.D., LL.D., *Pope Professor of Latin, Emeritus*, | 8 Mercer Circle. |
| CHARLES ELIOT NORTON, LITT.D., LL.D., *Professor of the History of Art*, | Shady Hill, off Irving St. |
| CHARLES CARROLL EVERETT, D.D., LL.D., *Bussey Professor of Theology*, and *Dean of the Divinity Faculty*, | 53 Garden St. |
| EDMUND HERSEY, *Instructor in Farming*, and *Superintendent of the Bussey Farm*, | Bussey Farm, Roslindale. |
| JOSEPH HENRY THAYER, D.D., LITT.D., *Bussey Professor of New Testament Criticism and Interpretation*, | 67 Sparks St. |
| CHARLES FRANKLIN DUNBAR, LL.D., *Professor of Political Economy.* | |
| WILLIAM WATSON GOODWIN, PH.D., LL.D., D.C.L., *Eliot Professor of Greek Literature*, | 5 Follen St. |
| CHRISTOPHER COLUMBUS LANGDELL, LL.B., LL.D., *Dane Professor of Law*, | 37 Quincy St. |
| FERDINAND BÔCHER, A.M., *Professor of Modern Languages*, | 12 Holyoke Pl. |
| DAVID WILLIAMS CHEEVER, M.D., LL.D., *Professor of Surgery, Emeritus*, | 557 Boylston St., Boston. |
| JAMES BRADLEY THAYER, LL.B., LL.D., *Weld Professor of Law*, | 5 Phillips Pl. |

* Arranged, with the exception of the President, on the basis of collegiate seniority.

† For abbreviations, see p. 11. The residence is in Cambridge, unless otherwise stated. No residence is given, if the officer is absent for the year.

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ADAMS SHERMAN HILL, A.B., LL.B., *Boylston Professor of Rhetoric and Oratory*, Sever 3.

JAMES MILLS PEIRCE, A.M., *Perkins Professor of Astronomy and Mathematics*, and *Dean of the Faculty of Arts and Sciences*, 4 Kirkland Pl.

JAMES CLARKE WHITE, A.B., M.D., *Professor of Dermatology*, 259 Marlborough St., Boston.

JUSTIN WINSOR, LL.D., *Librarian*, 74 Sparks St.

ALEXANDER AGASSIZ, LL.D., *Director and Curator of the Museum of Comparative Zoölogy*, 36 Quincy St.

FRANCIS HUMPHREYS STORER, S.B., A.M., *Professor of Agricultural Chemistry*, and *Dean of the Bussey Institution*, 476 Boylston St., Boston.

JAMES BRADSTREET GREENOUGH, A.B., *Professor of Latin*, 9 Riedesel Ave.

——— ———, *Professor of Topographical Engineering.*

ARTHUR SEARLE, A.M., *Phillips Professor of Astronomy*, 41 Concord Ave.

JEREMIAH SMITH, A.M., LL.D., *Story Professor of Law*, 4 Berkeley St.

CRAWFORD HOWELL TOY, A.M., LL.D., *Hancock Professor of Hebrew and other Oriental Languages, and Dexter Lecturer on Biblical Literature*, 7 Lowell St.

JOHN CHIPMAN GRAY, LL.B., LL.D., *Royall Professor of Law*, 176 Beacon St., Boston.

JOHN KNOWLES PAINE, A.M., Mus.D., *Professor of Music*, 23 Hawthorn St.

GEORGE LINCOLN GOODALE, M.D., LL.D., *Fisher Professor of Natural History*, and *Director of the Botanic Garden*, 10 Craigie St.

OLIVER FAIRFIELD WADSWORTH, A.M., M.D., *Professor of Ophthalmology*, 526 Beacon St., Boston.

HENRY PICKERING BOWDITCH, A.M., M.D., *Professor of Physiology*, Jamaica Plain.

CHARLES HERBERT MOORE, A.M., *Assistant Professor of Design in the Fine Arts*, and *Curator of the William Hayes Fogg Art Museum*, 19 Follen St.

FREDERICK WARD PUTNAM, A.M., S.D., *Peabody Professor of American Archaeology and Ethnology*, and *Curator of the Peabody Museum*, 400 Broadway.

CLARENCE JOHN BLAKE, M.D., *Professor of Otology*, 226 Marlborough St., Boston.

FRANK WINTHROP DRAPER, A.M., M.D., *Professor of Legal Medicine*, 304 Marlborough St., Boston.

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CHARLES BURNHAM PORTER, A.M., M.D., *Professor of Clinical Surgery*, 5 Arlington St., Boston.

CHARLES SPRAGUE SARGENT, A.B., *Arnold Professor of Arboriculture*, and *Director of the Arnold Arboretum*, Jamaica Plain.

NATHANIEL SOUTHGATE SHALER, S.D., *Professor of Geology*, and *Dean of the Lawrence Scientific School*, 25 Quincy St.

FREDERIC DE FOREST ALLEN, PH.D., *Professor of Classical Philology*, 45 Brewster St.

JOHN ORNE GREEN, A.M., M.D., *Clinical Professor of Otology*, 182 Marlborough St., Boston.

AMOS LAWRENCE MASON, A.B., M.D., *Associate Professor of Clinical Medicine*, 265 Clarendon St., Boston.

CLEMENT LAWRENCE SMITH, A.M., LL.D., *Professor of Latin*, 64 Sparks St.

JOHN COLLINS WARREN, M.D., LL.D., *Professor of Surgery*, 58 Beacon St., Boston.

REGINALD HEBER FITZ, A.M., M.D., *Hersey Professor of the Theory and Practice of Physic*, 18 Arlington St., Boston.

GEORGE HERBERT PALMER, A.M., LL.D., *Alford Professor of Natural Religion, Moral Philosophy, and Civil Polity.*

WILLIAM LAMBERT RICHARDSON, A.M., M.D., *Professor of Obstetrics*, and *Dean of the Medical Faculty*, 225 Commonwealth Ave., Boston.

EDWARD CHARLES PICKERING, A.M., LL.D., *Paine Professor of Practical Astronomy*, and *Director of the Observatory*, Observatory.

JOHN TROWBRIDGE, S.D., *Rumford Professor and Lecturer on the Application of Science to the Useful Arts*, and *Director of the Jefferson Physical Laboratory*, 58 Linnaean St.

GEORGE ALONZO BARTLETT, A.M., *Associate Professor of German*, and *Regent*, Beck Building 26.

THOMAS DWIGHT, M.D., LL.D., *Parkman Professor of Anatomy*, 235 Beacon St., Boston.

WILLIAM GILSON FARLOW, A.M., M.D., *Professor of Cryptogamic Botany*, 24 Quincy St.

THOMAS FILLEBROWN, M.D., D.M.D., *Professor of Operative Dentistry*, 157 Newbury St., Boston.

WILLIAM JAMES, M.D., PH. et LITT.D., *Professor of Psychology*, 95 Irving St.

JAMES JACKSON PUTNAM, A.B., M.D., *Professor of Diseases of the Nervous System*, 106 Marlborough St., Boston.

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CHARLES LORING JACKSON, A.M., *Erving Professor of Chemistry*, H'y 11.
EDWARD STICKNEY WOOD, A.M., M.D., *Professor of Chemistry*, 220 Marlborough St., Boston.
JAMES BARR AMES, A.M., LL.B., *Bussey Professor of Law*, and *Dean of the Law Faculty*, 11 Frisbie Pl.
FREDERICK CHEEVER SHATTUCK, A.M., M.D., *Jackson Professor of Clinical Medicine*, 135 Marlborough St., Boston.
FRÉDÉRIC CÉSAR DE SUMICHRAST, *Assistant Professor of French*, 16 Quincy St.
JOHN WILLIAMS WHITE, PH.D., *Professor of Greek*, 18 Concord Ave.
EDWARD HICKLING BRADFORD, A.M., M.D., *Assistant Professor of Orthopedics*, 133 Newbury St., Boston.
WILLIAM MORRIS DAVIS, M.E., *Professor of Physical Geography*, 1 Bond St.
HENRY BARKER HILL, A.M., *Professor of Chemistry*, and *Director of the Chemical Laboratory*, Boylston Hall 15.
WARREN ANDREW LOCKE, A.M., *Organist and Choir-Master*, 7 Francis Ave.
FRANCIS GREENWOOD PEABODY, A.M., D.D., *Plummer Professor of Christian Morals*, 13 Kirkland St.
——— ———, *Parkman Professor of Theology*.
CHARLES ALBERT BRACKETT, D.M.D., *Professor of Dental Pathology*, Newport, R. I.
FRANCIS HENRY DAVENPORT, A.B., M.D., *Assistant Professor of Gynaecology*, 372 Marlborough St., Boston.
THOMAS MORGAN ROTCH, A.B., M.D., *Professor of the Diseases of Children*, 197 Commonwealth Ave., Boston.
BENJAMIN MARSTON WATSON, A.B., *Instructor in Horticulture*, Jamaica Plain.
WILLIAM ELWOOD BYERLY, PH.D., *Professor of Mathematics*, 39 Hammond St.
EPHRAIM EMERTON, PH.D., *Winn Professor of Ecclesiastical History*, 19 Chauncy St.
WILLIAM BARKER HILLS, A.B., M.D., *Associate Professor of Chemistry*, 27 Everett St.
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PHILIP STAFFORD MOXOM, A.M., D.D., Springfield.

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JOHN FISKE, LL.D., LITT.D., *Lecturer on Campaigns of the Civil War west of the Alleghanies*, 22 Berkeley St.
GEORGE TRUMBULL LADD, D.D., LL.D., *To conduct the Ethical Seminary*, New Haven, Conn.
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* The address of each of the Preachers during the term of his residence at the University is No. 1 Wadsworth House.

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Archibald C. Coolidge, PH.D. Ware 15.
Richard C. Manning, A.M. Ware 43.
Fred C. Prescott, A.B. Little's 7.
Thomas Hall, Jr., A.B.
John G. Hart, A.M. } Little's 18.
John E. Eaton, A.B. Hilton 4.
Robert R. Truitt, A.M. Hilton 23.
Albert E. Hancock, A.M.
John A. Walz, A.M. } Felton 18.
William J. Miller, A.B. Warland 13.
Frederick C. McLaughlin, A.M. Read's 4.
William P. Few, A.M. Read's 24.
Herbert V. Neal, A.M. Shepherd 2.
Montague Chamberlain, Quincy 6.
Frederick O. Grover, A.M. Brewer's 12.
Frederick W. Truscott, A.M. Cowdin Building.
James E. Lough, A.M. Mooney Building.
George D. Chase, A.M. Buckland Building.

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## DIVISIONS AND DEPARTMENTS.

I. SEMITIC LANGUAGES AND HISTORY. Professor Lyon, chairman.

II. ANCIENT LANGUAGES. Professor Smith, chairman.

Departments:

A. *Indo-Iranian Languages.* Professor Lanman, chairman.
B. *The Classics (Greek, Latin).* Professor White, chairman.

III. MODERN LANGUAGES. Professor Kittredge, chairman.

Departments:

A. *English.* Professor A. S. Hill, chairman.
B. *German.* Assoc. Professor Bartlett, chairman.
C. *French.* Professor Bôcher, chairman.
D. *Italian and Spanish.* Asst. Professor Marsh, chairman.
E. *Germanic and Romance Philology.* Professor Sheldon, chairman.

IV. PHILOSOPHY. Professor Royce, chairman.

V. HISTORY AND POLITICAL SCIENCE. Professor Macvane, chairman.

Departments:

A. *History and Government.* Asst. Professor Gross, chairman.
B. *Political Economy.* Professor Taussig, chairman.

VI. FINE ARTS. Professor Norton, chairman.

VII. MUSIC. Professor Paine, chairman.

VIII. PURE AND APPLIED MATHEMATICS. Professor J. M. Peirce, chairman.

Departments:

A. *Mathematics.* Professor Byerly, chairman.
B. *Engineering.* Professor Hollis, chairman.

IX. PHYSICS. Professor Hall, chairman.

X. CHEMISTRY. Professor Jackson, chairman.

XI. NATURAL HISTORY. Professor Whitney, chairman.

Departments:

A. *Botany.* Professor Goodale, chairman.
B. *Zoölogy.* Professor Mark, chairman.
C. *Geology.* Professor Davis, chairman.
D. *Mineralogy and Petrography.* Professor Wolff, chairman.

XII. AMERICAN ARCHAEOLOGY AND ETHNOLOGY. Professor Putnam, chairman.

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The ordinary administration of a Division or Department includes: the proposal of courses of instruction to the Committee on Instruction; the examination of candidates for second-year honors, if such honors are offered, and the nomination of students to the Faculty for second-year honors; the preparation of papers for the admission examinations, when required; the care of departmental libraries; the supervision of departmental publications, when specially referred to the Division or Department; the arrangement and regulation (when combined action seems desirable) of seminaries, conferences, clubs, reading-courses, lectures, and the like; the supervision of holders of fellowships, pursuing studies in Cambridge or elsewhere; and the general promotion and usefulness of the Division or Department.

In each of the twelve Divisions in which either Final (Baccalaureate) Honors or the degree of Doctor of Philosophy or the degree of Doctor of Science may be attained, the Division Committee, with such additional members as may be appointed, is organized as the *Committee on Honors and Higher Degrees* in that Division, and has charge (under the regulations of the Faculty) of fixing the requirements, examining candidates, and making nominations, for Final Honors and for the degrees of Ph.D. and S.D., and in special cases for that of A.M. But the Department Committee for the Department of English has the charge of Honors in English, and for this purpose has the organization and duties of a Committee on Honors.

Every Committee on Honors and Higher Degrees acts without division into Departments. It may delegate the actual minute examination of candidates and theses to special sub-committees, for which it may obtain the services of any suitable persons, whether members of the Faculty or not; but the Committee is held responsible for all nominations for Honors and Degrees.

Every student who means to be a candidate for the degree of Ph.D. or S.D. must carry on his studies with the approval and under the direction of the Committee on Honors and Higher Degrees in the Division to which his studies belong.

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## STANDING COMMITTEES.

INSTRUCTION. — Professors J. M. Peirce (*Chairman*), A. S. Hill, Shaler, Smith, Bartlett, James, Jackson, Wright, Hall, Gross, Taussig.

ADMISSION EXAMINATIONS. — Professors Briggs (*Chairman*), Smith, de Sumichrast, Gross, Schilling, Morgan, Osgood, Sabine; Messrs. Torrey, Hurlbut.

ADMISSION FROM OTHER COLLEGES. — Professors von Jagemann (*Chairman*), White, Wendell, Hanus, Marsh.

CHANGES OF ELECTIVE STUDIES. — Professor M. Bôcher (*Chairman*); Mr. Gardiner.

SPECIAL STUDENTS. — Professors Schilling (*Chairman*), Moore, Gross, Baker; Messrs. Love, Poll, G. H. Parker.

FELLOWSHIPS AND OTHER AIDS FOR GRADUATES. — Professors J. M. Peirce, (*Chairman*), Child, Farlow, Emerton, Wright, Hall, Royce, Wolff, Cummings.

SCHOLARSHIPS AND OTHER AIDS FOR UNDERGRADUATES. — Professors Briggs (*Chairman*), Allen, Ashley, Wolff; Mr. Fletcher.

THE TABULAR VIEW. — Professors Macvane (*Chairman*), Sabine; Mr. Johnson.

ON RECEPTION OF STUDENTS. — Professors Shaler (*Chairman*), Peabody, de Sumichrast, Howard, Cummings; Messrs. Williams, Coolidge.

FRESHMAN ADVISERS. — Professors de Sumichrast (*Chairman*), Hall, Howard, Osgood, Sabine; Messrs. C. P. Parker, Nichols, Gates, Torrey, Gardiner, Fletcher, Hurlbut, L. J. Johnson, Garrett, Bierwirth, Ashton, A. C. Coolidge, Gulick, Cummings. C. H. C. Wright, Corbin.

EXAMINATIONS FOR WOMEN. — Professors Smith (*Chairman*), Child, Byerly, Francke, Channing.

PUBLIC ENTERTAINMENTS. — Dr. Marcou (*Chairman*); Professors Howard, Baker.

OPENING OF THE COLLEGE YEAR. — Professors Morgan (*Chairman*), de Sumichrast, Sabine.

SUMMER COURSES. — Professors Shaler (*Chairman*), von Jagemann, Hanus, Richards; Mr. Hurlbut.

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GRADUATION IN LESS THAN FOUR YEARS. — Professors Smith (*Chairman*), Mark, Macvane, von Jagemann, Cummings.

ON ADMISSION TO THE SCIENTIFIC SCHOOL FROM OTHER SCIENTIFIC SCHOOLS. — Professors Shaler (*Chairman*), Hanus, Hollis.

ADVISERS TO SCIENTIFIC STUDENTS. — Professors Shaler (*Chairman*), Hanus, Wolff, Warren, Smyth, Fitz; Messrs. Willson, Davenport, Adams, Moses, Turner.

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# COURSES OF INSTRUCTION

## PROVIDED BY THE FACULTY OF ARTS AND SCIENCES.

These courses of instruction are classed as *full courses* or *half-courses*, according to the estimated amount of work in each, and its value in fulfilling the requirements for the degree of A.B. or A.M. In the following list, half-courses are expressly designated as such; all others are full courses, with the exception of the courses of research, which, if taken by a candidate for either of the degrees named, usually count as full courses, but may be estimated differently by special arrangement.

The numbers and letters prefixed to the several courses are intended to be permanent, and no attempt is made to arrange them in a regular or complete series.

The Roman numeral in parentheses appended to each course indicates the examination group to which the course belongs (see pp. 130, 131). No student will be examined in two courses which are in the same examination group, except in the cases stated on page 130.

The courses *primarily for Undergraduates* are open to Graduate Students, but are not ordinarily counted towards any of the higher degrees. To the courses *primarily for Graduates* Undergraduates are admitted only on the *recommendation* of the Instructor.

No starred (*) course and no course of research can be taken without the *previous* consent of the Instructor. Each student will choose his elective studies in accordance with the regulations of the Department of the University to which he belongs.

Laboratory fees are payable by all students electing any course in Chemistry, or any course with laboratory work in Physics, in Natural History, or in Psychology.

The attention of students is also called to the separate pamphlets containing more detailed accounts of the instruction in the following departments of study: Semitic Languages and History; Classical Philology and Sanskrit; English; German; French; Italian, Spanish, and Romance Philology; Philosophy; Education and Teaching; History and Political Science; Music; Mathematics; Physics; Chemistry; Zoölogy; Geology; Mineralogy and Petrography; American Archaeology and Ethnology.

Any of these pamphlets may be had on application.

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# COURSES OF INSTRUCTION.

## SEMITIC LANGUAGES AND HISTORY.

### For Graduates and Undergraduates.

1. Hebrew. — Davidson's Introductory Hebrew Grammar. — Explanation of parts of Genesis and of the Psalm-book. *Mon., Wed., Fri., at 11.* Professor LYON. (III.)

*The following courses do not require a knowledge of Semitic languages: —*

6 *hf.* Babylonian-Assyrian History. — Contact of the Babylonians and Assyrians with the peoples of the Mediterranean coasts and islands. — Diffusion of the Babylonian-Assyrian culture through the Phoenicians. *Half-course. Sat., at 10.* Professor LYON. (VIII.)

12. History of Israel, political and social, from the establishment of royalty till the death of Herod the Great. *Tu., Th., and (at the option of the instructor) Sat., at 11.* Professor LYON. (IX.)

16[1]. History of pre-Christian Hebrew literature. *Mon., Tu., Wed., Th., at 2.30 (first half-year).* Professor TOY. (V and XI.)
This course is open to those only who have taken Course 12 or its equivalent.

13. History of the Hebrew religion, with comparison of other Semitic religions. *Fri., 2.30–4.30.* Professor TOY. (V. and VI.)
This course is open to those only who have taken Courses 12 and 16 or their equivalent.

15 *hf.* History of the Bagdad Califate. — Mohammedanism in India. — Lectures on the Literature. — The Korān. *Half-course. Sat., at 12.* Professor TOY. (X.)

[14 *hf.* History of the Spanish Califate. — The Korān. *Half-course. Sat., at 12.* Professor TOY.] (X.)
Omitted in 1895–96.
Courses 14 and 15 are given in alternate years.

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**Primarily for Graduates.**

[2. Hebrew (second course). — Syntax. — Interpretation of parts of the Prophets and the Poetical Books. — Criticism of selected portions of the text. *Tu., Th., at 3.30.* Professor Toy.] (XII.)
Omitted in 1895–96.

3[1] *hf.* Classical Aramaic (Syriac). — Rödiger's Chrestomathia Syriaca, ed. 3. — The Peshitto version of the New Testament. *Half-course. Mon., Wed., at 10 (first half-year).* Professor Lyon. (II.)

3[2] *hf.* Jewish Aramaic. — Kautzsch's Biblisch-Aramäische Grammatik. — Interpretation of parts of Ezra, Daniel, and the Targums. *Half-course. Wed., Sat., at 9 (second half-year).* Professor Lyon. (I and VII.)

4. Assyrian. — Lyon's Assyrian Manual. — Delitzsch's Assyrian Grammar. — Abel & Winckler's Keilschrifttexte. *Mon., Fri., at 12.* Professor Lyon and Mr. Skinner. (IV.)

5. Assyrian (second course). — Delitzsch's Assyrian Grammar. — The Chaldean Epic. — Letters and Commercial Documents. *Tu., Th., at 12.* Professor Lyon. (X.)

7. Arabic. — Lansing's Grammar. — Nuḫab al-Mulaḥ. — The Thousand and One Nights. *Twice a week.* Professor Toy.

8. Arabic (second course). — Wright's Grammar. — The Moallakāt. — Motenebbi. — Ibn Haldun. — The Korān. *Mon., Wed., at 3.30.* Professor Toy. (VI.)

[9 *hf.* Ethiopic. — Dillmann's Grammatik and Chrestomathia. — Enoch. *Half-course. Mon., at 4.30.* Professor Toy.]
Omitted in 1895–96.

10 *hf.* Phoenician. — Schröder's Phönizische Sprache. — Corpus Inscriptionum Semiticarum. *Half-course. Th., at 4.30.* Professor Toy.
The courses in Ethiopic and Phoenician are given in alternate years.

Courses of Research.

20*a*. Assyrian Grammar. Professor Lyon.

20*b*. Hebrew Grammar. Professor Toy.

20*c*. Kitāb al-Aġāni. Professor Toy.

The Semitic Seminary.

Critical study by advanced students.

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## INDO-IRANIAN LANGUAGES.

### For Graduates and Undergraduates.

1[1] *hf.* Elements of the Sanskrit language. — Sounds and inflexions. — Reading of easy prose and verse. *Half-course. Mon., Wed., Fri., at 2.30 (first half-year).* Professor LANMAN. (V.)

This half-course is intended to serve as an introduction either to the study of the Sanskrit language or to the study of the comparative grammar of Greek and Latin. It should be taken in the first half-year by students who intend to take Classical Philology 20 in the second half-year.

1[2] *hf.* Sanskrit (continued). — Reading of the classical texts in Lanman's Reader. — Translation at sight. *Half-course. Mon., Wed., Fri., at 2.30 (second half-year).* Professor LANMAN. (V.)

2[1] *hf.* Sanskrit (second year). — Course for rapid reading. — Select episodes from the Mahā-Bhārata. *Half-course. Mon., Wed., Fri., at 3.30 (first half-year).* Professor LANMAN. (VI.)

### Primarily for Graduates.

3[2] *hf.* Sanskrit. — Introduction to the language and literature of the Vedas. *Half-course. Mon., Wed., Fri., at 3.30 (second half-year).* Professor LANMAN. (VI.)

4. Pāli (beginner's course). — Elwell's Jātakas. — The legendary history of Buddha, Avidūre and Santike Nidānas. *Tu., Th., at 1.30, and a third hour at the pleasure of the instructor.* Professor LANMAN. (XIV.)

5. Pāli (advanced course). — The Sacred Books of Buddhism. *Tu., Th., at 2.30, and a third hour at the pleasure of the instructor.* Professor LANMAN. (XI.)

#### COURSE OF RESEARCH.

20. Special advanced study of selected Sanskrit works, with practice in the use of the manuscripts of the Harvard collection. Professor LANMAN.

#### SANSKRIT CONFERENCE.

Professor LANMAN conducts an informal exercise in cursory reading of Sanskrit literature on the second and fourth Tuesday evenings of each month of the second half-year at his study. The selections for 1895–96 will be from the Mahā-Bhārata.

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## CLASSICAL PHILOLOGY.

### Primarily for Undergraduates.

#### *GREEK.*

*A.* Homer (Iliad and Odyssey, selections). — Reading at sight. *Tu., Th., Sat., at 9.* Mr. C. P. PARKER and Dr. GULICK. (VII.)

Course *A* is intended for Freshmen who presented only Elementary Greek in the examination for admission.

*F hf.* Greek Prose Composition (elementary course). *Half-course. Wed., and (during the second half-year) Fri., at 2.30.* Dr. GULICK. (V.)

Course *F* is intended for Freshmen who have passed in Elementary (or in Advanced) Greek, but not in Greek Composition, at the examination for admission.

Courses *A* and *F* cannot be counted for Honors.

*B.* Lysias (selections). — Plato (Apology and Crito). — Elegiac and Lyric Poetry (selections). — Euripides (Medea). — Reading at sight. *Mon., Wed., Fri., at 12.* Mr. C. P. PARKER, Asst. Professor MORGAN, and Dr. GULICK. (IV.)

*C.* Lysias (selections). — Plato (Apology and Euthyphro). — Elegiac and Lyric Poetry (selections). — Euripides (Iphigenia among the Taurians). — Reading at sight. *Tu., Th., Sat., at 11.* Mr. C. P. PARKER, Asst. Professor MORGAN, and Dr. GULICK. (IX.)

Courses *B* and *C* are parallel courses and cannot both be taken by the same student.

Courses *B* and *C* are open to Freshmen who have passed in Advanced Greek for admission, and to Sophomores who have passed in Course *A* in their Freshmen year. They cannot be counted for Final Honors, but either of them may be counted for Second-Year Honors.

*E hf.* Greek Prose Composition (second course). — Goodwin's Moods and Tenses. *Half-course. Wed., and (during the first half-year) Fri., at 1.30.* Mr. C. P. PARKER. (XIII.)

Course *E* may be counted for Second-Year, but not for Final, Honors. It is especially recommended to Freshmen intending to be candidates for Second-Year Honors.

LECTURES. — Lectures are provided for students in Courses *B* and *C*, on various topics connected with their studies, including the following: —

Lysias and his Times. Dr. GULICK.

Socrates and Plato. Professor GOODWIN.

Lyric and Elegiac Poetry. Asst. Professor MORGAN.

The Greek Theatre and Dramatic Performances. Professor WHITE.

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**1.** Herodotus. — Plato (Phaedo and selections from the Protagoras and the Symposium). — *Mon., Wed., Fri., at 11.* Asst. Professor MORGAN. (III.)

Course 1 may, with the consent of the instructor, be taken during either half-year as a half-course.

**2.** Aristophanes (Birds). — Aeschylus (Prometheus Bound). — Thucydides (Book I.). — Sophocles (Oedipus Tyrannus). — Collateral reading of the Plutus of Aristophanes. — Reading at sight. *Tu., Th., Sat., at 10.* Professor WHITE. (VIII.)

**3** *hf.* Greek Prose Composition (third course). — Translation and original composition (narrative and descriptive). *Half-course. Tu., at 2.30.* Professor WRIGHT. (XI.)

Course 3 is intended especially for candidates for Second-Year Honors in Classics. The final examination in this course is identical with the special examination in Greek Composition for Second-Year Honors.

### *LATIN.*

***A.*** Cicero (selected speeches). — Virgil. — Practice in reading at sight. *Mon., Wed., Fri., at 11.* Dr. MATHER. (III.)

Course *A* is open to students who have passed in Elementary, but not in Advanced, Latin at the examination for admission to College.

***F hf.*** Latin Composition (elementary course). — Collar's Practical Latin Composition. *Half-course. Mon., and (during the first half-year) Fri., at 2.30.* Dr. MATHER. (V.)

Course *F* is open to students who have passed in Elementary (or in Advanced) Latin, but not in Latin Composition, at the examination for admission to College.

Courses *A* and *F* cannot be counted for Honors.

***B.*** Cicero (De Amicitia). — Livy (Books XXI. and XXII.). — Terence (Phormio and Adelphoe). — Reading at sight. *Tu., Th., Sat., at 9.* Asst. Professor HOWARD and Dr. HAYLEY. (VII.)

***C.*** Cicero (De Amicitia). — Livy (Books I. and II.). — Terence (Phormio and Andria). — Reading at sight. *Mon., Wed., Fri., at 11.* Asst. Professor HOWARD, Drs. HAYLEY and MATHER. (III.)

***D.*** Cicero (De Amicitia). — Livy (Books I. and II. or XXI. and XXII.). — Terence (Phormio and Heautontimorumenos). — Reading at sight. *Two sections: Tu., Th., Sat., at 9 and Mon., Wed., Fri., at 11.* Asst. Professor HOWARD and Dr. HAYLEY. (III. or VII.)

Courses *B* and *C* are open to Freshmen who have passed in Advanced Latin for admission, and to Sophomores who have passed in

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Course *A*. *Course D is not to be included by the student in his choice of elective studies.* The class for Course *D* is selected at the beginning of the year from those who elect *B* or *C*, chiefly on the basis of the admission examinations in the translation of Latin at sight; but students may be transferred from those courses to Course *D*, or *vice versa*, at any time during the year.

Courses *B*, *C*, and *D* cannot be counted for Final Honors, but any one of them may be counted for Second-Year Honors.

*E hf.* Latin Composition (second course). — Translation of English narrative. *Half-course. Mon., and (during the second half-year) Fri., at 1.30.* Dr. HAYLEY. (XIII.)

Course *E* may be counted for Second-Year, but not for Final, Honors. It is recommended to Freshmen who propose to be candidates for Second-Year Honors.

LECTURES. — Lectures are provided for the students in Courses *B*, *C*, and *D*, on various topics connected with their studies, including the following: —

Plautus and Terence. Dr. HAYLEY.

The Roman Theatre. Asst. Professor MORGAN.

The Metrical and Musical Element in Roman Comedy. Asst. Professor HOWARD.

1. Horace (Odes and Epodes). — Tacitus (selections from the Histories). — Reading at sight. *Mon., Wed., Fri., at 10.* Professor SMITH. (II.)

2. Tacitus (selections from the Histories). — Horace (Odes and Epodes). — Reading at sight. *Tu., Th., Sat., at 12.* Mr. C. P. PARKER. (X.)

Course 1 is open to students who have passed with distinction in Course *B*, *C*, or *D*. Course 2 is open to students who have passed in Course *B*, *C*, or *D*, or have attained distinguished credit in Course *A*. Courses 1 and 2 cannot be taken together, nor is either of them open to any student who has already taken the other, or who has taken any of the following courses.

Course 2 may, with the consent of the instructor, be taken during either half-year as a half-course.

3 *hf.* Latin Composition (third course). — Extended study of Idiom. — Practice in Translation. *Half-course. Th., at 2.30, and consultation-hours at the pleasure of the instructor.* Mr. C. P. PARKER. (XI.)

Course 3 is intended especially for candidates for Second-Year Honors. The final examination in this course is identical with the special examination in Latin Composition for Second-Year Honors.

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## For Undergraduates and Graduates.

### *GREEK.*

6. Demosthenes (On the Crown, with parts of the Oration on the Embassy). — Aeschines (Against Ctesiphon). — Aeschylus (Seven against Thebes).—Sophocles (Antigone).—Aristophanes (Frogs). — Collateral reading. *Tu., Th., Sat., at 10.* Professor WRIGHT. (VIII.)

Course 6 may, with the consent of the instructor, be taken during either half-year as a half-course.

7 *hf.* Greek Prose Composition (fourth course). — Written composition in the style of Demosthenes and of Plato, with studies of classical models. — Translation of selections of standard English (rhetorical and philosophical). *Half-course. Tu., at 1.30.* Professor WRIGHT. (XIV.)

Course 7 is open to those who have already taken Course 3. It may be taken in two successive years, counting as a half-course in each year. It may also be taken once a fortnight through two years, counting as a half-course on the record of the second year.

8. Plato (Republic.) — Aristotle (Ethics, Books I.–IV. and X.). *Tu., Th., Sat., at 9.* Professor GOODWIN. (VII.)

In Course 8 attention will be directed mainly to the subject-matter of the authors read. The course is important for candidates for Final Honors in Classics. It may also be counted for Honors in Philosophy.

[10. The Life of the Ancient Athenians, described and illustrated by the aid of the Literature and of the Monuments. *Tu., Th., and (at the pleasure of the instructor) Sat., at 12.* Professor WHITE.] (X.)

Omitted in 1895–96.

Course 10 is given alternately with Latin 10.

[11. History of Greek Literature. — Lectures, with direction of the students' private reading. *Mon., Wed., Fri., at 10.* Professor ALLEN.] (II.)

Omitted in 1895–96.

NOTE. — For a course on the Political History of Greece, see History 2.

### *LATIN.*

6. Suetonius (selections). — Pliny (selected letters). — Juvenal (the principal satires). — Martial (selected epigrams). *Mon., Wed., Fri., at 10.* Asst. Professor HOWARD. (II.)

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13[3] *hf.* Catullus and the Elegiac Poets. *Half-course. Mon., Wed., Fri., at 2.30 (second half-year).* Professor SMITH. (V.)

Courses 6 and 13 are adapted for students who have already taken Course 1 or have passed with distinction in Course 2. Course 13 will not be given in 1896–97.

7 *hf.* Practice in Latin expression and style (narrative and descriptive). — Study of selections from classical prose as models. — Translation into Latin prose. — Original essays in Latin. *Half-course. Th., at 1.30.* Professor GREENOUGH. (XIV.)

Course 7 is open to students who have passed in Course 3, or who otherwise satisfy the instructor that they are properly qualified.

8. Plautus (three plays). — Lucretius. — Cicero (selected letters). *Mon., Wed., Fri., at 11.* Professor GREENOUGH. (III.)

Course 8 is important for candidates for Final Honors in Classics.

9 *hf.* Practice in Latin expression and style (exposition and argument). — Original essays in Latin. *Half-course. Th., at 1.30.* Professor GREENOUGH. (XIV.)

Open only to those who have taken Latin 7.

Additional advanced instruction in writing Latin will be given by the instructor to students who desire it.

10. The Private Life of the Romans, chiefly as illustrated by works of art. — Lectures, with collateral reading. *Tu., Th., Sat., at 12.* Professor GREENOUGH. (X.)

Course 10 is given alternately with Greek 10.

11. History of Latin Literature (Poetry). — Lectures, with reading of characteristic selections, and direction of the students' private reading. *Tu., Th., Sat., at 11.* Professor SMITH. (IX.)

[12. History of Latin Literature (Prose). — Lectures, with direction of the students' private reading. *Tu., Th., and (at the pleasure of the instructor) Sat., at 11.* Professor SMITH.] (IX.)

Omitted in 1895–96.

Courses 11 and 12 are given in alternate years.

NOTE. — For a course on the Political History of Rome, see History 3.

### Primarily for Graduates.

THE SEMINARY OF CLASSICAL PHILOLOGY.

DIRECTORS FOR 1895–96: Professors ALLEN and WHITE.

The design of the Seminary is to afford training in philological criticism and research. The meetings, which are held twice a week, each session occupying an hour and a half, are ordinarily devoted to the text-criticism and interpretation of Greek and Latin authors. Public meetings, at which

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the members present for discussion theses on topics in Classical Philology, take the place of the ordinary meetings several times in the year. In the conduct of these meetings the Directors have the coöperation of other Classical instructors. The public meetings are open to all instructors and students in the department.

Application for admission to the Seminary should be made in writing to the Directors before June 20; and present members who desire to retain their places should give written notice to that effect by the same date.

The authors selected for 1895-96 are Aristophanes (Thesmophoriazusae) and Ovid (Tristia), and the meetings will be held on *Tuesdays and Thursdays, from 2.30 to 4 o'clock.*

25 *hf.* Introductory Course in the Text-Criticism and Interpretation of Classical Authors: for 1895–96, Persius. *Half-course. Th., 7.30–8.30 P.M. (first half-year), and 7.30–9.30 P.M. (second half-year).* Asst. Professor MORGAN.

Course 25 is designed as an introduction to the Seminary of Classical Philology.

[20. Greek and Latin Comparative Philology. *Mon., Wed., Fri., at 12.* Professors GREENOUGH and LANMAN.] (IV.)

Omitted in 1895–96.

NOTE. — Attention is called to Course 2 in Romance Philology.

21. Introduction to Greek Epigraphy and Palaeography. — Historical Inscriptions and Facsimiles of representative MSS. — Lectures and practical exercises. *Tu., Th., and (at the pleasure of the instructor) Sat., at 9.* Professor WRIGHT. (VII.)

To be omitted in 1896–97.

22[1] *hf.* Latin Grammar (Sounds and Inflexions). — Study of early Latin Inscriptions. *Half-course. Mon., Wed., Fri., at 9 (first half-year).* Professor ALLEN. (I.)

To be omitted in 1896–97.

[28[2] *hf.* Latin Grammar (Syntax). *Half-course. Mon., Wed., and (at the pleasure of the instructor) Fri., at 12 (second half-year).* Professor GREENOUGH.] (IV.)

Omitted in 1895–96.

31[2] *hf.* The elements of Oscan and Umbrian. *Half-course. Mon., Wed., and (at the pleasure of the instructor) Fri., at 12 (second half-year).* Professor ALLEN. (IV.)

To be omitted in 1896-97.

42. Introduction to the Critical Study of Homer. Lectures, reading, and short investigations. *Mon., Wed., and (at the pleasure of the instructor) Fri., at 10.* Professor ALLEN. (II.)

To be omitted in 1896–97.

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23. The Tragedies of Aeschylus. *Tu., Th., Sat., at 10.* Professor GOODWIN. (VIII.)
To be omitted in 1896–97.

[27[2] *hf.* The Politics of Aristotle. *Half-course. Tu., Th., Sat., at 10 (second half-year).* Professor GOODWIN.] (VIII.)
Omitted in 1895–96.

[38. The Comedies of Aristophanes. *Fri., 2.30–4.30, and a third hour at the pleasure of the instructor.* Professor WHITE.] (V.)
Omitted in 1895–96.

45[1] *hf.* The Bacchides of Plautus. *Half-course. Wed., at 11 (first half-year).* Professor LANE. (III.)
To be omitted in 1896–97.
This course cannot be counted for the degree of A.B.

41[1] *hf.* Cicero's Correspondence. *Half-course. Mon., Wed., at 2.30, and a third hour at the pleasure of the instructor (first half-year).* Professor SMITH. (V.)
To be omitted in 1896–97.

[36[1] *hf.* Cicero's Exposition of Greek Philosophy. *Half-course. Mon., Wed., Fri., at 12 (first half-year).* Professor GREENOUGH.]
Omitted in 1895–96. (IV.)

40[2] *hf.* The Physical Theories of the Stoics. — Seneca (Naturales Quaestiones), with collateral reading in other authors. *Half-course. Mon., Wed., Fri., at 9 (second half-year).* Mr. C. P. PARKER.
To be omitted in 1896–97. (I.)

24. The Constitutional History and Political Antiquities of Athens and the Judicial Process of the Athenian Courts. *Tu., Th., at 12.* Professor GOODWIN. (X.)
To be omitted in 1896–97.

37. The Private Life of the Greeks (second course). Special investigation of the Comedies of Aristophanes and study of the other sources. *Fri., 2.30–4.30, and a third hour at the pleasure of the instructor.* Professor WHITE. (VI.)
Course 37 is designed for Graduates who have taken Course 38 and Greek 10 or have made equivalent studies.
To be omitted in 1896–97.

[26. The Private Life of the Romans (second course). — Study of special topics. *Mon., Wed., and (at the pleasure of the instructor) Fri., at 2.30.* Professor GREENOUGH.] (V.)
Omitted in 1895–96.
Course 26 is open to students who have taken Latin 10, or who otherwise satisfy the instructor that they are qualified.

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Attention is called to the following courses in History: —

[17. The Constitutional History of Athens. *Mon., Wed., and (at the pleasure of the instructor) Fri., at 9.* Dr. BOTSFORD.] (I.)
Omitted in 1895–96.

18. The Constitutional History of the Roman Republic to the Social War. *Wed., Fri., and (at the pleasure of the instructor) Mon., at 9.* Dr. BOTSFORD. (I.)
To be omitted in 1896–97.

The courses which are bracketed in the preceding list are usually given once in two years.

The following courses are given at less frequent intervals: —

Lectures on Greek Grammar, with study of Dialectic Inscriptions. Professor ALLEN.

Pindar. Professor GOODWIN.

Thucydides. Professor GOODWIN.

Aristotle's Poetics, with parts of the Rhetoric. Professor GOODWIN.

Sophocles. Professor WRIGHT.

The Roman Comedy. Professor ALLEN.

The Religion and Worship of the Greeks. Professor ALLEN.

The Roman Religion and Worship. Ovid's Fasti. Professor ALLEN.

Stoicism in the First and Second Centuries. Mr. C. P. PARKER.

Three Centuries of Greek History (600–300 B.C.). Professor WRIGHT.

Disputed Questions in Athenian Topography. Professor WHITE.

## ENGLISH.

### Primarily for Undergraduates.

*A.* Rhetoric and English Composition. — A. S. Hill's Principles of Rhetoric (revised and enlarged edition), and parts of the Foundations of Rhetoric. — Lectures, written exercises, and conferences. *Tu., or Th., or Sat., at 12, and two other hours to be appointed by the instructors.* Professors A. S. HILL and BRIGGS, and Messrs. HURLBUT, COPELAND, HART, COBB, FLANDRAU, and LA ROSE. (X.)
Course *A* is prescribed for Freshmen and for first-year students in the Lawrence Scientific School.

*B hf.* Twelve Themes. — Lectures, and discussions of themes. *Half-course* I., *Tu., Th., at 12;* II., *Tu., Th., at 1.30;* III., *Tu., Th., at 2.30.* Asst. Professor WENDELL, and Messrs. ABBOTT, HALL and DAMON.
Course *B* is prescribed for Sophomores who have passed in Course *A*. It is open to those students only who have passed in Course *A*.

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*C hf.* Forensics. — Lectures on Argumentative Composition. — A brief based on a master-piece of argumentative composition. — Four forensics, preceded by briefs. — Discussions of briefs and of forensics. (*Half-course.* I., *Tu., Th., at 12;* II., *Tu., Th., at 1.30;* III., *Tu., Th., at 3.30.* Asst. Professor BAKER, and Messrs. HALL, DAMON, and PRESCOTT.

Course *C* is prescribed for Juniors who have passed in Courses *A* and *B*. It is open to those students only who have passed in Courses *A* and *B*.

*BC hf.* English Composition. —Written exercises and conferences. *Half-course. Fri., at 10.* Messrs. HURLBUT, HALL, and HART. (II.)

This course, which corresponds in part to Course *B* and in part to Course *C*, is prescribed for students in the Lawrence Scientific School. It is open to those only who have passed in Course *A*.

Course *BC* cannot be counted towards the degree of A.B., except with the permission of the Deans of the College and of the Scientific School.

28 *hf.* English. — History and Development of English Literature in outline. *Half-course. Tu., Th., at 10 (first half-year); Tu., at 10, and (at the pleasure of the instructor) Th., at 10 (second half-year).* Professors CHILD, A. S. HILL, BRIGGS, KITTREDGE, and Asst. Professor WENDELL. (VIII.)

This course is for Freshmen only. It is open to those Freshmen only who have attained Grade *C* at the admission examination in English.

3[1] *hf.* Anglo-Saxon. — Bright's Anglo-Saxon Reader. *Half-course. Mon., Wed., Fri., at 1.30 (first half-year).* Dr. GARRETT. (XIII.)

Course 3[1] requires no previous knowledge of Anglo-Saxon.

22. English Composition. *Tu., Th., Sat., at 1.30.* Messrs. GATES, GARDINER, ABBOTT, DUFFIELD, and GREENE. (XIV.)

Course 22 is open to those who, having passed in English *A*, prefer an elective course to English *B*. It is counted as the equivalent of English *B* and a half-course of elective study.

The class will be divided into two sections. Section I. will be open to those only who have attained at least Grade *C* in English *A*.

*30. Forensics and Debating. *Mon., Wed., Fri., at 3.30.* Asst. Professor BAKER and Mr. HAYES. (VI.)

Course 30 is counted as the equivalent of English *C* and a half-course of elective study.

*6 *hf.* Oral Discussion of Topics in History and Economics. *Half-course. Th., 3.30–5.30.* Professor TAUSSIG, Asst. Professors HART, CUMMINGS, and BAKER, and Mr. HAYES. (XII.)

Course 6 is open to Seniors only.

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*10 *hf.* Elocution. *Half-course. Mon., Fri.*, I. *at 10*, II. *at 12.* Mr. HAYES.

Course 10 is open to those only who are approved by the instructor as having already attained some proficiency in Elocution.

**For Graduates and Undergraduates.**

1. English Literature. — Chaucer. *Mon., Wed., Fri., at 9.* Professor CHILD and Dr. GARRETT. (I.)

2. English Literature. — Shakspere (six plays). *Mon., Wed., Fri., at 10.* Professors CHILD and KITTREDGE. (II.)

Course 2 may be taken in two successive years.

23 *hf.* English Literature. — The Works of Shakspere. *Half-course. Wed., at 11.* Asst. Professor WENDELL. (III.)

Course 23 is open to those only who have taken English 2.

11[1] *hf.* English Literature. — Bacon. *Half-course. Mon., Wed., Fri., at 10 (first half-year).* Dr. GARRETT. (II.)

11[2] *hf.* English Literature. — Milton. *Half-course. Mon., Wed., Fri., at 10 (second half-year).* Dr. GARRETT. (II.)

[7 *hf.* English Literature of the Eighteenth Century. *Half-course. Mon., at 3.30.* Mr. GATES.] (VI.)

Omitted in 1895–96.

[8[1] *hf.* English Literature. — Poets of the Nineteenth Century. *Half-course. Mon., Wed., at 10 (first half-year).* Professor A. S. HILL.] (II.)

Omitted in 1895–96.

9 *hf.* English Literature. — Prose Writers of the Nineteenth Century. *Half-course. Mon., at 3.30.* Mr. GATES. (VI.)

[13 *hf.* Literary Criticism in England since the Sixteenth Century. *Half-course. Fri., at 3.30.* Mr. ——.] (VI.)

Omitted in 1895–96,

12. English Composition. *Tu., Th., at 2.30.* Asst. Professor WENDELL and Messrs. YOUNG and CORBIN. (XI.)

Course 12 is open to those only who have attained Grade *C* in Course *B* or in Course 22 or in Course *B C*. With the consent of the instructors, it may be taken as a half-course for the first half-year.

[*18 *hf.* Argumentative Composition. — Eight forensics preceded by briefs. — Lectures and conferences. *Half-course. Fri., at 9.* Asst. Professor BAKER.] (I.)

Course 18 is open to those only who have passed with credit in Course *C*.

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**Primarily for Graduates.**

[19[2] *hf.* Historical English Grammar. *Half-course. Three hours a week* (*second half-year*). Professor KITTREDGE.]
Omitted in 1895–96.

[16 *hf.* History and Principles of English Versification. *Half-course. Th., at 12.* Mr. GATES.] (X.)
Omitted in 1895–96.

3[2] *hf.* Anglo-Saxon Poetry.—Béowulf.—*Half-course. Mon., Wed., Fri., at 11* (*second half-year*). Professor KITTREDGE. (III.)

25[2] *hf.* Anglo-Saxon. — Cædmon. — Cynewulf. — Sweet's Oldest English Texts. *Half-course. Three times a week* (*second half-year*). Professor KITTREDGE.

[4. Early English. — Old English literature from 1200 to 1450. — Mätzner's Altenglische Sprachproben. *Mon., Wed., Fri., at 11.* Professor CHILD.] (III.)
Omitted in 1895–96.
Course 4 is open to those only who are acquainted with Anglo-Saxon.

[21[2] *hf.* Early English. — The Metrical Romances. — Lectures and theses. *Half-course. Three hours a week* (*second half-year*). Professor KITTREDGE.]
Omitted in 1895–96.
Course 21 is open to those only who are acquainted with Early English and Old French.

26[2] *hf.* Langland and Gower. *Half-course. Three times a week* (*second half-year*). Dr. GARRETT.

17 *hf.* English Literature of the Fifteenth and Sixteenth Centuries in relation to Italian and Spanish Literature of the Fifteenth and Sixteenth Centuries. *Half-course. Mon., at 2.30.* Mr. FLETCHER. (V.)

*27[1] *hf.* The English and Scottish Popular Ballads. *Half-course. Tu., Th., Sat., at 12* (*first half-year*). Professor CHILD. (X.)
This course is for Graduates only.

14 *hf.* English Literature. — The Drama from the Miracle Plays to the Closing of the Theatres. *Half-course. Wed., at 2.30.* Asst. Professor BAKER. (V.)
Course 14 is open to those only who take or have taken Course 2.

15 *hf.* English Literature of the Seventeenth Century. *Half-course. Fri., at 11.* Asst. Professor WENDELL. (III.)

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29 *hf.* The English Novel from Richardson to George Eliot. *Half-course. Fri., at 10.* Professor A. S. HILL. (II.)

[24[2] *hf.* The Poetry of Wordsworth, Coleridge, Scott, Byron, Shelley, Keats, Tennyson, and Browning. *Half-course. Tu., Th., at 10 (second half-year).* Professor A. S. HILL.] (VIII.)
Omitted in 1895–96.
Course 24 is not open to those who take or have taken Course 8.

5. English Composition (advanced course). *Mon., Wed., Fri., at 12.* Professor A. S. HILL. (IV.)
The number of students in this course is necessarily limited.
With the consent of the instructor, Course 5 may be taken in two successive years.
With the consent of the instructor, Course 5 may be taken as a half-course during the first half-year.

COURSES OF RESEARCH.

20. During the year 1895–96 the instructors in English will hold themselves ready to assist and advise competent graduates who may propose plans of special study which shall meet the approval of the department.

20*a*. English Literature in its relation to German Literature, from 1790 to 1830. *Wed., at 4.30.* Mr. GATES.

[20*b*. English Literature in its relation to Italian Literature in the Sixteenth Century. Mr. FLETCHER.]
Omitted in 1895–96.

## GERMAN.

### Primarily for Undergraduates.

*A student who wishes to elect any of the higher courses in German, must consult the instructor in advance. Before making their choice, students should read, in the descriptive pamphlet of the German department, the full description of the courses announced.*

*A*. Elementary Course. — Grammar. — Translation from German into English, and elementary exercises in translating into German. *Three times a week.* Mr. NICHOLS, Dr. BIERWIRTH, and Messrs. W. G. HOWARD and WALZ. (XII.)
Course *A* is equivalent to the Elementary German of the admission requirements, and is prescribed for Freshmen who did not present German in their examination for admission, and do not elect Course *B*.

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*B.* Elementary Course. — Grammar. — Composition. — Translation and reading at sight. — Selections in Prose and Poetry. (*Five times a week, counting as a course and a half.*) *Mon., Wed., Fri., at 10; Tu., Th., at 3.30.* Dr. POLL. (II. and XII.)

Course *B* may be substituted for Course *A* by any Freshman for whom Course *A* is prescribed. It is practically equivalent to Courses *A* and 1*a* combined.

*C.* Intermediate Course. — Grammar. — Composition. — Translation and reading at sight. — Selections from the Writers of the Eighteenth and Nineteenth Centuries. *Tu., Th., Sat., at 9.* Asst. Professor SCHILLING, Dr. BIERWIRTH, and Mr. W. G. HOWARD. (VII.)

Course *C* is intended for Freshmen who passed the examination in Elementary German for admission. It cannot be taken by a student who has already taken Course *A* or any elective course in German.

1*a*. German Prose and Poetry. — Lessing (Minna von Barnhelm). — Schiller (Wilhelm Tell). — Goethe (Egmont). — Lyrics and Ballads. — Modern Historical and Narrative Prose. — Composition. — Reading at sight. *Tu., Th., Sat., at 11.* Dr. BIERWIRTH and Associate Professor BARTLETT. (IX.)

1*b*. German Prose. — Subjects in History and Biography. — Reading at sight. *Mon., Wed., Fri., at 11.* Associate Professor BARTLETT. (III.)

Courses *B*, *C*, 1*a*, and 1*b* are introductory to Courses 2, 3, 4, and 6, and they are also equivalent to the Advanced German in the examination for admission (see special note on Course 1*b* below).

Courses 1*a* and 1*b* are parallel courses, and are intended for students who have taken Course *A*. No student is allowed to take both of them, and they are not intended for a student who presented German for admission (see note under Course *C*), or who has had a College elective course in German.

In Course 1*b* a large amount will be read, but less attention will be paid to Grammar than in Course 1*a*, and the course is especially adapted to those students who wish to acquire facility in reading German in preparation for the use of the language in History and other College studies. Students who intend to take, in a subsequent year, Course 2, 3, or 4, must take Course *E* in addition to 1*b*.

1*c*. German Prose. — Subjects in Natural Science. — Reading at sight. *Tu., Th., Sat., at 9.* Mr. W. G. HOWARD. (VII.)

Course 1*c* is intended for students who have taken Course *A* or who presented Elementary German for admission. It may also be taken (to count as a half-course only) by students who take or have taken Course *B*, *C*, 1*a*, or 1*b*; or who presented Advanced German for admission.

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***E hf.*** German Grammar and practice in writing German (first course). *Half-course. Th., at 2.30.* Mr. NICHOLS. (XI.)

***F hf.*** German Grammar and practice in writing German (second course). *Half-course. Th., at 2.30.* Dr. BIERWIRTH. (XI.)

***G hf.*** German Grammar and practice in writing German (third course). *Half-course. Th., at 2.30.* Dr. POLL. (XI.)

Courses *E*, *F*, and *G* are graded courses and cannot be taken except in addition to some other elective course in German. Course *E* may be taken with Course *C*, 1*a*, 1*b*, or 1*c*. Course *F* may be taken with Course 2, 3, 4, or 6. Course *G* may be taken with Course 5, 8, 9, 10, or 11.

**2.** Lessing and the German Drama. — Practice in writing German. *Mon., Wed., Fri., at 12.* Dr. POLL. (IV.)

**3.** Schiller and his Contemporaries. — Practice in writing German. *Tu., Th., Sat., at 10.* Asst. Professor SCHILLING. (VIII.)

**4.** Goethe and his time. — Practice in writing German. *Mon., Wed., Fri., at 1.30.* Asst. Professor FRANCKE. (XIII.)

Courses 2, 3, and 4 are introductory to Courses 5, 8, 9, 10, and 11, and no two of them will count as *full courses* for the same student. A student who takes or has taken one of them may take one other as a *half-course* only. Any student who elects one of these courses may, if he is found deficient in knowledge of German Composition, be required by the instructor to take Course *F* in addition.

**6.** German Literature of the Nineteenth Century, with special reference to its prose development. Lectures, reading, and theses. *Mon., Wed., Fri., at 2.30.* Asst. Professor VON JAGEMANN. (V.)

In Course 6 the student will read a large amount of modern German prose. The course will be conducted in English.

### For Graduates and Undergraduates.

**5.** General History of German Literature; with special reference to the Classic Periods of the Twelfth and Eighteenth Centuries. — Lectures, with collateral reading. *Tu., Th., Sat., at 1.30.* Asst. Professor FRANCKE. (XIV.)

**8.** German Literature in the Twelfth and Thirteenth Centuries. — Nibelungenlied. — Kudrun. — König Rother. — Hartmann's Der arme Heinrich. — Wolfram's Parzival. — Walther von der Vogelweide. — Translation into Modern German. — Lectures and theses. *Mon., Wed., Fri., at 3.30.* Asst. Professor SCHILLING. (VI.)

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9[1] *hf.* German Literature and Art from the Fourteenth to the beginning of the Sixteenth Century. — The Volkslied. — The Schwank-literature. — The Miracle Plays. — Painting and Sculpture from the Van Eycks to Dürer. — Luther. — Hans Sachs. — Lectures and reading. *Half-course. Mon., Wed., Fri., at 3.30 (first half-year).* Asst. Professor FRANCKE. (VI.)

10 *hf.* German Literature from the Reformation to the Classic Period. — Lectures, reading, and theses. *Half-course. Sat., at 10.* Dr. POLL. (VIII.)

11[2] *hf.* The social and political tendencies in German Literature from the middle of the Eighteenth to the middle of the Nineteenth Century. —The Age of the French Revolution. —The Age of the Napoleonic Wars. — The Restoration. — Young Germany. — Lectures and theses. *Half-course. Mon., Wed., Fri., at 3.30 (second half-year).* Asst. Professor FRANCKE. (VI.)

Courses 2, 3, 4, 5, 8, 9, 10, and 11 are conducted in German.

### SUMMER COURSES.

For summer courses in German, which can be counted towards the degrees of A.B. and S.B., see p. 127.

## GERMANIC PHILOLOGY.

### Primarily for Graduates.

12[1] *hf.* Gothic. Introduction to the study of Germanic Philology. *Half-course. Tu., Th., Sat., at 9 (first half-year).* Asst. Professor VON JAGEMANN. (VII.)

[14[2] *hf.* Old Saxon. *Half-course. Twice a week (second half-year).* Asst. Professor VON JAGEMANN.]

13. Icelandic (Old Norse). — Selections from the Sagas and the Elder Edda. *Mon., Wed., Fri., at 12.* Professor KITTREDGE. (IV.)

15[1] *hf.* Old High German. *Half-course. Mon., Fri., at 4.30 (first half-year).* Asst. Professor VON JAGEMANN.

[17[2] *hf.* Middle High German (advanced course). *Half-course. Three times a week (second half-year).* Asst. Professor VON JAGEMANN.]

Omitted in 1895–96.

21[2] *hf.* History of the German Language. *Half-course. Three times a week (second half-year).* Asst. Professor VON JAGEMANN.

16[1] *hf.* Germanic Mythology. *Half-course. Mon., Wed., Fri., at 11 (first half-year).* Professor KITTREDGE. (III.)

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18[2] *hf.* Germanic Antiquities. *Half-course* (*second half-year*). Asst. Professor SCHILLING.

[19 *hf.* The History of the Faust legend, with special reference to kindred mediaeval legends. *Half-course. Mon., at 4.30.* Asst. Professor FRANCKE.]
Omitted in 1895–96.

THE SEMINARY.

20*a*. Old High German Section. Asst. Professor SCHILLING.

20*b*. Middle High German Section. Interpretation of Hartmann's Iwein. Asst. Professor VON JAGEMANN.

20*c*. Modern German Section. Asst. Professor FRANCKE. Interpretation of the Second Part of Goethe's Faust.

## FRENCH.

*Students who lack the qualifications for admission to a particular course which are specified in the description of that course must consult the instructor before enrolment. Before making their choice students should read, in the Announcement of the Department of French, the full description of the courses they wish to elect. The elective courses, unless otherwise stated, are conducted in French.*

### Primarily for Undergraduates.

*A*. Elementary Course. — French Prose and Composition. I., *Mon., Fri., at 9;* II., *Mon., Fri., at 1.30;* III., *Mon., Fri., at 10;* I., II., III., *Tu., 3.30.* Messrs. BABBITT and WRIGHT. (XII.)
Course *A* is equivalent to the Elementary French of the admission requirements, and is prescribed for Freshmen who did not present French in their examination for admission.

1*b*. Reading at sight of French Prose. — Translation from French into English. I., II., *Tu., Th., Sat., at 11;* III., *Mon., Wed., Fri., at 9.* Messrs. BABBITT and WRIGHT. (IX.)
Open, without consultation, to students who have passed in Course *A*, or have passed the admission examination in Elementary French.

1*c*. Reading, grammar, and composition. I., *Mon., Wed., at 3.30;* II., *Mon., Wed., at 2.30;* I., II., *Fri., at 3.30.* MR. LA MESLÉE. (VI.)
Open, without consultation, to students who have passed in Course *A*, or have passed the admission examination in Elementary French. This course is conducted mainly in English during the first part of the year.

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1*a*. Reading, grammar, and composition. *Tu.*, *Th.*, *Sat.*, *at 10.* Asst. Professor DE SUMICHRAST, and Messrs. BABBITT and WRIGHT. (VIII.)

Open, without consultation, to students who have passed in Course *A*, or have passed the admission examination in Elementary French.

Students are not permitted to take more than one course in the series 1*b*, 1*c*, 1*a*. Courses 1*c* and 1*a* are parallel courses and are both introductory to French 2*a* and 2*c*. The work is the same in both, but 1*c* is intended for students who have not had previous training in the understanding of spoken French.

Courses 1*b*, 1*c*, and 1*a* are not open to students who presented Advanced French for admission.

2*c*. French Prose and Poetry. — Corneille. — Racine. — Molière. — Beaumarchais. — Alfred de Musset. — Balzac. — Composition. I., II., *Mon.*, *Wed.*, *Fri.*, *at 10;* III., *Tu.*, *Th.*, *Sat.*, *at 10;* IV., *Tu.*, *Th.*, *Sat.*, *at 11.* DR. MARCOU and Mr. FORD. (II.)

This course is conducted in English.

2*a*. French Prose and Poetry. — La Fontaine. — Corneille. — Racine. — Molière. — Beaumarchais. — Alfred de Musset. — Balzac. — Composition. I., *Mon.*, *Wed.*, *at 1.30;* II., *Mon.*, *Wed.*, *at 11;* I., II., *Fri.*, *at 1.30.* Messrs. WRIGHT and BABBITT. (XIII.)

This course is conducted in French.

Courses 2*c* and 2*a* are open, without consultation, to students who have passed in Course 1*b*, 1*c*, or 1*a* with a grade not lower than *C*, or have passed the admission examination in Advanced French.

Courses 2*c* and 2*a* are parallel courses and are both introductory to French 6.

3 *hf.* Practice in speaking and writing French (elementary course). *Half-course. Tu.*, *Th.*, *at 3.30.* Messrs. BRUN and LA MESLÉE. (XII.)

Open to students who have passed in Course *A* with a grade not lower than *C*, or have done equivalent work in French.

4 *hf.* Practice in speaking and writing French (intermediate course). *Half-course. Mon.*, *Fri.*, *at 3.30.* Messrs. BRUN and LA MESLÉE. (VI.)

Open, without consultation, to students who have passed in Course 3.

5 *hf.* Practice in speaking and writing French (advanced course). — Oral discussions. *Half-course. Tu.*, *Th.*, *at 2.30.* Mr. BRUN. (XI.)

Open, without consultation, to students who have passed in Course 4.

Course 5 may be taken in two successive years.

Of Courses 3, 4, and 5, only *two half-courses* can be counted towards the degree of A.B.

**For Graduates and Undergraduates.**

6. General view of French Literature, from its origins to the present day. — Lectures, reading, and themes. *Mon.*, *Wed.*, *Fri.*, *at 9.* Asst. Professor DE SUMICHRAST. (I.)

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Introductory to Courses 7, 8, 9, 10, 11, and 12.
Open, without consultation, to students who have passed in Course 1*a* with the grade of *A*, or in Courses 2*c* or 2*a* with a grade not lower than *C*.

7. French Literature in the Nineteenth Century. — Lectures, themes, and collateral reading. Asst. Professor DE SUMICHRAST. *Tu., Th., Sat., at 11.* (IX.)

[8. French Literature in the Eighteenth Century. — Lectures, themes, and collateral reading. *Tu., Th., Sat., at 11.* Asst. Professor DE SUMICHRAST.] (IX.)
Omitted in 1895-96; will be given in 1896-97.
Courses 7 and 8 are given in alternate years.

9. French Literature in the Seventeenth Century. — Lectures, themes, and collateral reading. *Tu., Th., Sat., at 10.* Professor BÔCHER. (VIII.)

[10. French Literature in the Sixteenth Century. — Lectures, themes, and collateral reading. *Tu., Th., Sat., at 10.* Professor BÔCHER.]
Omitted in 1895-96; will be given in 1896-97. (VIII.)
Courses 9 and 10 are given in alternate years.
Courses 7, 8, 9, and 10 are open, without consultation, to students who have passed in Course 6 with a grade not lower than *C*.

**Primarily for Graduates.**

11. French Literature in the Fourteenth and Fifteenth Centuries. — Lectures, themes, and collateral reading. *Mon., Wed., at 10.* Professor BÔCHER. (II.)

[12. French Literature in the Thirteenth Century. — Lectures, themes, and collateral reading. *Mon., Wed., Fri., at 10.* Professor BÔCHER.] (II.)
Omitted in 1895-96.
Courses 11 and 12 are given in alternate years.

COURSES OF RESEARCH.

20. Competent graduates may propose plans of advanced study in French subject to the approval of the department. Asst. Professor DE SUMICHRAST.

The following special courses are offered: —

20*a*. The Comedies of Molière and those of his immediate predecessors, his contemporaries, and his immediate successors. *Mon., Wed., at 5.* Professor BÔCHER.

[20*b*. The Essays of Montaigne and their influence on later thought. *Mon., Wed., at 5.* Professor BÔCHER.]
Omitted in 1895-96; to be given in 1896-97.

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## ITALIAN.

*Students should consult the pamphlet descriptive of the courses in Italian, Spanish, Romance Philology, and Comparative Literature.*

### Primarily for Undergraduates.

1. Elements of Grammar. — Selections from modern authors. — Elementary exercises in writing Italian. *Tu., Th., Sat., at 1.30.* Professor SHELDON and Mr. FORD. (XIV.)
See note under Spanish 1.

### For Graduates and Undergraduates.

2. Literature of the fifteenth and sixteenth centuries. — Torquato Tasso. — Ariosto. — Machiavelli. — Pulci. — Reading at sight. — Syntax and prose composition, with reading of modern texts. *Tu., Th., Sat., at 9.* Mr. FLETCHER. (VII.)
Course 1 is open to those only who have not before taken a course in Italian. Courses 1 and 2 cannot be taken together.

### Primarily for Graduates.

[*3. Literature of the Thirteenth and Fourteenth Centuries. — Selections from Boccaccio, Petrarca, Dante. — Early Italian. — Monaci's Crestomazia italiana dei primi secoli. *Mon., Wed., Fri., at 2.30.* Professor SHELDON and Mr. FORD.] (V.)
Omitted in 1895–96.

*4. Literature and the Fine Arts in Italy during the Middle Ages and the Renaissance, with special study of Dante. *Tu., Th., at 11, and a third hour at the pleasure of the instructor.* Professor NORTON.
In this course a knowledge of Italian is required. (IX.)

## SPANISH.

*Students should consult the pamphlet descriptive of the courses in Italian, Spanish, Romance Philology, and Comparative Literature.*

### Primarily for Undergraduates.

1. Grammar, reading, and composition. — Modern novels and plays. — El Eco de Madrid. *Mon., Wed., Fri., at 1.30.* Asst. Professor MARSH and Mr. FLETCHER. (XIII.)
Course 1 is properly introductory to Spanish 2; and students who have not taken Course 1 will be permitted to take Spanish 2 only on satisfying the instructor of their fitness to do so.

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Course 1 is open to those only who have not before taken a course in Spanish, and cannot be taken with Course 2.

*Students are not permitted to elect Italian* 1 *and Spanish* 1 *in the same year.*

**For Graduates and Undergraduates.**

*2. Literature of the Sixteenth and Seventeenth Centuries. — Cervantes, Lope de Vega, Calderón. — Composition. *Mon., Wed., Fri., at 11.* Dr. MARCOU. (III.)

**Primarily for Graduates.**

*3. Early Spanish. — The Poem of the Cid. — Spanish Literature to the Fifteenth Century. *Mon., Wed., Fri., at 11.* Professor SHELDON. (III.)

## ROMANCE PHILOLOGY.

**Primarily for Graduates.**

3. Old French. — Phonology and Inflexions. — The oldest texts. — La Chanson de Roland. — Chrétien de Troies. — Aucassin et Nicolette. *Tu., Th., at 10, and a third hour at the pleasure of the instructor.* Professor SHELDON. (VIII.)

4. Provençal. — Language and Literature, with selections from the poetry of the Troubadours. *Tu., Th., at 9.* Dr. MARCOU. (VII.)

5[1] *hf.* Low Latin. *Half-course. Tu., Th., at 2.30 (first half-year).* Professor SHELDON. (XI.)

[6. Old French Dialects, with special reference to Anglo-Norman. *Tu., Th., at 9.* Professor SHELDON.] (VII.)
Omitted in 1895–96.

[7 *hf.* The French Element in English. *Half-course. Th., at 11, and a second hour at the pleasure of the instructor.* Professor SHELDON.] (IX.)
Omitted in 1895–96.

Here for convenience is placed:

2[2] *hf.* General Introduction to Linguistic Science. — Phonetics. — Lectures on the Principles of Change in Language. *Half-course. Tu., Th., at 2.30, and a third hour to be determined (second half-year).* Professor SHELDON and Asst. Professor VON JAGEMANN. (XI.)

COURSES OF RESEARCH.

20. In addition to the foregoing courses, opportunities will be afforded to competent students for the investigation of special subjects in Romance Philology under the guidance of the instructors.

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## COMPARATIVE LITERATURE.

### For Graduates and Undergraduates.

2. Mediaeval Literature in the vulgar tongues, with especial reference to the influence of France and Provence. — Lectures and theses. *Mon., Wed., Fri., at 10.* Asst. Professor MARSH. (II.)

### Primarily for Graduates.

1. The History of Latin Literature in the Middle Ages (beginning with the Fourth Century), and its relations to Classic and Modern Literature. — Lectures and theses. *Tu., Th., Sat., at 10.* Asst. Professor MARSH. (VIII.)

[21[1] *hf.* The Origin and Development of Historical Epic Poetry in Mediaeval Europe. *Half-course. Mon., Wed., Fri., at 9 (first half-year).* Asst. Professor MARSH.] (I.)
Omitted in 1895–96.

[22[2] *hf.* The Legendary and Poetic Material of Celtic Origin and its Treatment in the Narrative Poetry of the Middle Ages. *Half-course. Mon., Wed., Fri., at 9 (second half-year).* Asst. Professor MARSH.] (I.)
Omitted in 1895–96.

## PHILOSOPHY.

### Primarily for Undergraduates.

1. General Introduction to Philosophy. — First half-year: Logic, and lectures introductory to Philosophical study, by Professor ROYCE. Second half-year: *either* Psychology, by Professor JAMES; *or* History of Philosophy, by Dr. SANTAYANA, according as the student may elect. — Jevons's Lessons in Logic; James's Psychology, Briefer Course; Royce's Spirit of Modern Philosophy. First half-year: *Mon., Wed., Fri., at 2.30.* Second half-year: Psychology. *Mon., Wed., Fri., at 12;* History of Philosophy, *Mon., Wed., Fri., at 2.30.* (V.)

Course 1 is intended as preliminary to the higher courses. It must be taken as at least one full course; but both the alternative courses for the second half-year may be taken at the same time, so as to count, together with the first half-year's work, as a course and a half. Neither of the subjects of the second half-year can be taken and counted unless the first half-year's work has been taken.

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**For Graduates and Undergraduates.**

**2a[1] *hf.*** Psychology (Advanced). — Wundt's Lectures on Human and Animal Psychology; Höffding's Psychology. — Lectures and a thesis. *Half-course. Mon., Wed., Fri., at 12 (first half-year).* Professor JAMES. (IV.)

Course 2*a* is open to students who have passed Course 1. With the instructor's permission, students who have taken Course 2*a* may pass into Course 2*b*, or into Course 20*b*, or into both, for the second half-year.

**2b[2] *hf.*** Physiological Psychology. — Lectures, laboratory exercises, and special topics treated in conferences and theses. *Half-course.* Four laboratory hours, one conference, and one lecture a week (*second half-year*). Professor JAMES assisted by Dr. SINGER.

**3.** Philosophy of Nature. — A study of the fundamental conceptions of Natural Science, with special reference to theories of Evolution and Materialism. — Paulsen's Introduction to Philosophy. — Lectures and theses. *Tu., Th., Sat., at 12.* Professor ROYCE. (X.)

[**4.** Ethics. — The Theory of Morals, considered constructively. — Lectures, theses, and private reading. *Mon., Wed., Fri., at 3.30.* Professor PALMER.] (VI.)

Omitted in 1895–96. See below, Course 15.

**5.** The Ethics of the Social Questions. — The problems of Poor-Relief, the Family, Temperance, and various phases of the Labor Question in the light of ethical theory. — Lectures, special researches, and required reading. *Tu., Th., Sat., at 10.* Professor PEABODY. (VIII.)

***6 *hf.*** The Psychological Basis of Religious Faith. — Lectures. *Half-course. Tu., at 9.* Professor EVERETT. (VII.)

***7.** The Content of Christian Faith. — Lectures and a thesis. *Mon., Wed., Fri., at 11.* Professor EVERETT. (III.)

**9.** Metaphysics. — The fundamental problems of Theoretical Philosophy, considered constructively. — The Problem of Knowledge. — Realism and Idealism. — The Problems of Causation, Freedom, Teleology, and Theism. — Deussen's Outlines of Metaphysics. — Bradley's Appearance and Reality. — Theses. *Tu., Th., Sat., at 11.* Professor ROYCE. (IX.)

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10[1] *hf.* Descartes, Leibnitz, and Spinoza. — Lectures, recitations, and private reading. *Half-course. Mon., Wed., Fri., at 1.30 (first half-year).* Dr. SANTAYANA. (XIII.)

[11[1] *hf.* English Philosophy from Hobbes to Hume. — Lectures, recitations, and private reading. *Half-course. Mon., Wed., Fri., at 1.30 (first half-year).* Dr. SANTAYANA.] (XIII.)
Omitted in 1895–96.

12. Kant and Schopenhauer. — First half-year: Translations of selections from the foregoing authors. Dr. BIERWIRTH. — Second half-year: Lectures on Kant and Schopenhauer, by Professor ROYCE. *Mon., Wed., Fri., at 2.30.* (V.)
The two halves of this course cannot be counted separately.

*13 *hf.* Comparative Religion. — Studies in the Comparative History of Religions, particularly the Vedic Religion, the Hindu Philosophies, Buddhism, Mazdaism, and the Chinese Religions. *Half-course. Th., Sat., at 9.* Professor EVERETT. (VII.)

[14 *hf.* The Philosophy of Religion; its rise, problem, and results. — Pfleiderer's Philosophy of Religion. — Caird's Philosophy of Religion. — Caird's Evolution of Religion. — Lectures, required reading, and a thesis. *Half-course. Wed., at 10.* Professor PEABODY.] (II.)
Omitted in 1895–96.

15. The chief types of Ethical Thought, with special reference to the schools of Socrates and Kant. — Lectures, private reading, and theses. *Mon., Wed., Fri., at 11.* Dr. SANTAYANA. (III.)

### Primarily for Graduates.

20*a*. Psychological Laboratory. — Laboratory exercises and special investigations for advanced students. Professor JAMES, Dr. SINGER, and Mr. LOUGH.
Professor MÜNSTERBERG, absent during the year, will maintain advisory relations by correspondence.

20*b*. Psychological Seminary. — First half-year: the Feelings. — Second half-year: Discussion of certain theoretic problems, as Consciousness, Knowledge, the Self, the relation of Mind and Body, etc. *Mon., at 7.30* P.M. Professor JAMES.

20*c*. Metaphysical Seminary. — Subject for the year: The Development of the Hegelian System. — Lectures, papers, and original research. *Tu., 7.30–9.30* P.M. Professor ROYCE.

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20*d*. Ethical Seminary. — The Comparison of Ethical Ideals. *Th.*, *4–6.* Professor LADD (of Yale University).

20*e*. Sociological Seminary. — Subject for the year: The Christian Doctrine of the Social Order. *Tu.*, *7.30–9.30* P.M. Professor PEABODY.

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COURSES IN EDUCATION AND TEACHING.

**For Graduates and Undergraduates.**

16. The History of Educational Theories and Practices. — Lectures, discussions, and reports. — Two essays. *Tu.*, *Th.*, *at 11.* Asst. Professor HANUS. (IX.)

18 *hf.* Introduction to Educational Theory. — Discussion of Educational Principles. — Lectures, reports, and discussions. — One essay. *Half-course. Mon.*, *at 3.30.* Asst. Professor HANUS. (VI.)

*19 *hf.* Methods of Teaching Science in Elementary and Secondary Schools. About ten exercises for each of the following subjects: Physics, Chemistry, Physical Geography, Botany, Zoölogy, Physiology, Mathematics. *Half-course.* Asst. Professor HANUS and others.

The instructor will be assisted by other college teachers and by persons engaged in teaching science in elementary and secondary schools.

**Primarily for Graduates.**

17. Organization and Management of Public Schools and Academies. — Supervision, Courses of Study, and Instruction. — Lectures, discussions, and reports. *Mon.*, *Wed.*, *at 11.* Asst. Professor HANUS. (III.)

Course 17 is open to such students as satisfy the instructor of their ability to pursue it with profit.

20*g*. Pedagogical Seminary. — Aims, Organization, Equipment, and Methods of Education, more particularly of Secondary Education. — Lectures, essays, reports and discussions. *Wed.*, *at 4.30.* Asst. Professor HANUS.

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For a four years' Course in Science for Teachers, see the Announcement of Courses in the Lawrence Scientific School.

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## HISTORY AND POLITICAL SCIENCE.

*Knowledge of German will be of advantage in any of the courses in History and Political Science; and ability to make use of French text-books will be presumed.*

### *HISTORY.*

#### Primarily for Undergraduates.

1. Mediaeval and Modern European History (introductory course). *Mon., Wed., Fri., at 9.* Dr. COOLIDGE. Lectures by several members of the Department. (I.)

For Juniors and Seniors Course 1 will be counted only as a half-course. It is not counted for Final Honors or for Honorable Mention.

#### For Graduates and Undergraduates.

*In order to be admitted to any of the following courses, students must have passed satisfactorily in a suitable introductory course, or must otherwise satisfy the instructor of their fitness to proceed. The preparation required for pursuing any course is indicated in the descriptive pamphlet of the Department.*

2. Political History of Greece to the Roman Conquest. *Mon., Wed., Fri., at 12.* Dr. BOTSFORD. (IV.)

[3. Political History of Rome to the Reign of Diocletian. *Mon., Wed., Fri., at 12.* Dr. BOTSFORD.] (IV.)
Omitted in 1895–96.

[4. History of Western Europe from the Germanic Invasions to the Treaty of Verdun. *Mon., Wed., Fri., at 2.30.*] (V.)
Omitted in 1895–96.

5. The Middle Ages from Charlemagne to Dante. — Formation of the European States. The Holy Roman Empire. The Roman Papacy as the controlling force in European Life. *Tu., Th., at 9.* Professor EMERTON. (VII.)

6. The First Eight Christian Centuries. — The Conflict of Christianity with Paganism. Origin and Development of the Roman Primacy to its Alliance with the Frankish State. The Germanic Nations as the basis of a new Christian Civilization. *Tu., Th., at 11.* Professor EMERTON. (IX.)

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[7. The Era of the Reformation in Europe from the rise of Italian Humanism to the close of the Council of Trent (1350–1563). *Tu., Th., at 11.* Professor EMERTON.] (IX.)
Omitted in 1895–96.

8. History of France to the Reign of Francis I. *Mon., Wed., and (at the pleasure of the instructor) Fri., at 1.30.* Asst. Professor GROSS. (XIII.)

9. Constitutional History of England to the Sixteenth Century. *Mon., Wed., Fri., at 10.* Asst. Professor GROSS. (II.)

11. History of England during the Tudor and Stuart Periods. *Mon., Wed., Fri., at 12.* Asst. Professor CHANNING. (IV.)

12[1] *hf.* Constitutional History of England since the Reign of George II. *Half-course. Tu., Th., Sat., at 11 (first half-year).* Professor MACVANE. (IX.)
Open only to students who have taken or take either Government 1[1], or Course 9, or Course 11 in History.

12[2] *hf.* History of Continental Europe since the Middle of the Eighteenth Century. *Half-course. Tu., Th., Sat., at 11 (second half-year).* Professor MACVANE. (IX.)
Students cannot enter Course 12[2] unless they have elected it at the beginning of the year.

10. American History (to 1783). *Mon., Wed., Fri., at 11.* Asst. Professor CHANNING. (III.)

13. Constitutional and Political History of the United States (1783–1865). *Tu., Th., Sat., at 12.* Asst. Professor HART. (X.)

[14. History of American Diplomacy. *Tu., Th., Sat., at 12.*] (X.)
Omitted in 1895–96.

15[1] *hf.* History of Northern and Eastern Europe (Denmark, Sweden, Poland, Russia, Turkey) from 1453 to 1795. *Half-course. Mon., Wed., Fri., at 2.30 (first half-year).* Dr. COOLIDGE. (V.)

**Primarily for Graduates.**

*16[2] *hf.* Federal History of Switzerland from the Thirteenth Century to the Present Time. *Half-course. Tu., Th., Sat., at 9 (second half-year).* Asst. Professor HART. (VII.)
This course will not be given in 1896–97.

[17. Constitutional History of Athens. *Mon., Wed., and (at the pleasure of the instructor) Fri., at 9.* Dr. BOTSFORD.] (I.)
Omitted in 1895–96.

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18. Constitutional History of the Roman Republic to the Social War. *Mon., Wed., Fri., at 9.* Dr. BOTSFORD. (I.)

22. The Sources and Literature of English Constitutional History. *Fri., at 2.30.* Asst. Professor GROSS. (V.)
Course 22 may be taken as a half-course. At the convenience of instructor and students it may be given in either half-year.

[*23[1] *hf.* Geographical Discovery in North America and its cartographical relations. *Half-course. Tu., Th., at 12 (first half-year).* Dr. WINSOR.]
Omitted in 1895–96.
There will be no examination in Course 23, and it cannot be counted towards a degree.

[24. Technical Aids to the Study of History: Chronology, Diplomatics, Palaeography, etc.]
Omitted in 1895–96.

SEMINARY COURSES.

20*a*. Church and State. Professor EMERTON.

20*b*. English Institutions in the Middle Ages. Asst. Professor GROSS.

20*c*. Recent Constitutional History. Professor MACVANE.

20*e*. American History and Institutions. *Mon., at 3.30.* Asst. Professors CHANNING and HART.

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NOTE. — For other historical courses see Semitic 6, 12, 14, 15; Greek 10; Latin 10; Classical Philology 24, 37; courses under Government; Economics 6, 8, 10, 11; Fine Arts 3, 4.

## *GOVERNMENT.*

*The History of Government in the leading countries is treated in the courses in History. A considerable knowledge of History is required as a preparation for the work of the following courses, except in the case of Course* 1.

### Primarily for Undergraduates.

1[1] *hf.* Constitutional Government (elementary course). *Half-course. Tu., Th., Sat., at 9 (first half-year).* Professor MACVANE. (VII.)
Course 1 is recommended for students who expect to take History 11, 12, or 13. It is not open to students who have taken any one of those courses, nor will it be counted towards the degree of A.B. for Seniors, or for Final Honors, or for Honorable Mention.

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### For Graduates and Undergraduates.

*4. Elements of International Law and the History of Diplomacy. *Tu., Th., Sat., at 10.* Asst. Professor BEALE. (VIII.)
Students intending to take this course are advised to take History 12 and 13 by way of preparation for it.

5. History and Institutes of Roman Law. — Institutes of Justinian, except the Law of Inheritance. — Selections from the Institutes of Gaius. *Mon., Wed., Fri., at 3.30.* Mr. WILLIAMS. (VI.)

*6[1] *hf.* Federal Government, historical and comparative. *Half-course. Tu., Th., Sat., at 9 (first half-year).* Asst. Professor HART. (VII.)

*7[2] *hf.* Leading Principles of Constitutional Law: selected Cases, American and English. *Half-course. Tu., Th., Sat., at 9 (second half-year).* Professor MACVANE. (VII.)

8 *hf.* The Canon Law, its Sources and History, with a study of Protestant Ecclesiastical Law. *Half-course. Fri., at 12.* Professor EMERTON. (IV.)

[9[1] *hf.* Roman Law. — The Law of Inheritance. — Institutes of Justinian and Gaius, and Selections from the Corpus Juris. *Half-course. Tu., Th., at 2.30, and a third hour at the pleasure of the instructor (first half-year).* Mr. WILLIAMS.] (XI.)
Omitted in 1895–96.
Course 9 is open to students who take or have taken Course 5, or who satisfy the instructor of their fitness to pursue the course.

13. The History of European Law. — Early Germanic Law. — Frankish Reforms. — Mediaeval French and German Law. — Revival of the Roman Law. — Modern Codes. *Mon., Wed., Fri., at 1.30.* Mr. WILLIAMS. (XIII.)

### Primarily for Graduates.

10. Principles of Government: Selections from leading Writers, together with studies in existing Political Systems. *Tu., Th., at 2.30.* Professor MACVANE. (XI.)

11. History of Political Theories, with especial reference to the Origin of American Institutions. — Studies from Machiavelli, Calvin, Hobbes, the Puritan State Papers, Winthrop, Locke, Rousseau, Otis, Jefferson, Madison, and others. *Th., at 7.30.* Asst. Professor CHANNING. (VI.)
This course will not be given in 1896–97.

[12. Government and Political Methods in the United States, national, state, and municipal. *Mon., Wed., Fri., at 9.* Asst. Professor HART.] (I.)
Omitted in 1895–96.

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16[1] *hf.* Roman Law. — The Law of Obligations. — Selections from the Corpus Juris. — Development since the time of Justinian. *Half-course. Tu., Th., at 2.30, and a third hour at the pleasure of the instructor (first half-year).* Mr. WILLIAMS. (XI.)

Course 16 is intended for students who have completed Course 5 or its equivalent.

COURSES OF RESEARCH.

*Seminary work in Government is included under Course 20 in History.*

*ECONOMICS.*

**Primarily for Undergraduates.**

1. Outlines of Economics. — Mill's Principles of Political Economy. — Lectures on Economic Development, Distribution, Social Questions, and Financial Legislation. *Mon., Wed., Fri., at 9.* Professors TAUSSIG and ASHLEY, Asst. Professor EDWARD CUMMINGS, and Dr. JOHN CUMMINGS. (I.)

**For Graduates and Undergraduates.**

The Courses for Graduates and Undergraduates are open to students who have passed satisfactorily in Course 1. Courses 6, 8, and 9 are also open to Juniors and Seniors of high rank who take Course 1 at the same time.

*10. The Mediaeval Economic History of Europe. *Tu., Th., and (at the pleasure of the instructor) Sat., at 12.* Professor ASHLEY. (X.)

[11. The Modern Economic History of Europe and America (from 1600). *Tu., Th., and (at the pleasure of the instructor) Sat., at 12.* Professor ASHLEY.] (X.)

Omitted in 1895-96.

*2. Economic Theory from Adam Smith to the present time. — Selections from Adam Smith and Ricardo. — Modern Writers. — Lectures. *Mon., Wed., Fri., at 2.30. First half-year:* Professor ASHLEY; *second half-year:* Professor MACVANE. (V.)

Course 2 may be taken for either half-year as a half-course.

*13[2] *hf.* Scope and Method in Economic Theory and Investigation. *Half-course. Wed., Fri., and (at the pleasure of the instructor) Mon., at 1.30 (second half-year).* Professor TAUSSIG. (XIII.)

*3. The Principles of Sociology. — Development of the Modern State, and of its Social Functions. *Tu., Th., at 1.30, and a third hour at the pleasure of the instructor.* Asst. Professor EDWARD CUMMINGS. (XIV.)

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14[1] *hf.* Communism and Socialism. — Utopias, ancient and modern. *Half-course. Tu., Th., and (at the pleasure of the instructor) Sat., at 9 (first half-year).* Asst. Professor EDWARD CUMMINGS. (VII.)

9. The Social and Economic Condition of Workingmen in the United States and in other countries. *Tu., Th., Sat., at 10.* Asst. Professor EDWARD CUMMINGS. (VIII.)

4[2] *hf.* The Theory of Statistics. — Applications to Social and Economic Problems. — Studies in Movements of Population. *Half-course. Tu., Th., Sat., at 9 (second half-year).* Dr. JOHN CUMMINGS. (VII.)

*5[1] *hf.* Railway Transportation. — Lectures and written work. *Half-course. Mon., Wed., Fri., at 1.30 (first half-year).* Professor TAUSSIG. (XIII.)

*6[1] *hf.* History of Tariff Legislation in the United States. *Half-course. Tu., Th., at 2.30, and a third hour at the pleasure of the instructor (first half-year).* Professor TAUSSIG. (XI.)

*8[2] *hf.* History of Financial Legislation in the United States. *Half-course. Tu., Th., at 2.30, and a third hour at the pleasure of the instructor (second half-year).* Dr. J. A. HILL. (XI.)

[*7[1] *hf.* The Theory and Methods of Taxation, with special reference to local taxation in the United States. *Half-course. Tu., Th., Sat., at 11 (first half-year).* Professor DUNBAR.] (IX.)

Omitted in 1895–96.

*7[1] *hf.* Financial Administration and Public Debts. *Half-course. Tu., Th., Sat., at 11 (first half-year).* Dr. JOHN CUMMINGS. (IX.)

*12[2] *hf.* Banking and the History of the leading Banking Systems. *Half-course. Tu., Th., Sat., at 11 (second half-year).* Professor TAUSSIG. (IX.)

[*12[1] *hf.* International Payments and the Flow of the Precious Metals. *Half-course. Tu., Th., Sat., at 11 (first half-year).* Professor DUNBAR.] (IX.)

Omitted in 1895–96.

**Primarily for Graduates.**

20. Seminary in Economics. *Mon., at 4.30.*

Professors TAUSSIG and ASHLEY, and Asst. Professor CUMMINGS, will guide competent students in research on topics assigned after consultation. The Seminary will hold weekly meetings; and in addition every student will confer individually, once a week, with the instructor under whose guidance he carries on his investigations.

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## THE FINE ARTS.

### Primarily for Undergraduates.

1. Principles of Delineation, Color, and Chiaroscuro. — Lectures (*once a week*), with collateral reading. — Practice in drawing and in the use of water-colors. — Perspective. *Mon., Wed., Fri., at 2.30.* Asst. Professor MOORE. (V.)

2. Principles of Design in Painting, Sculpture, and Architecture. — Lectures (twice a week), with collateral reading. — Practice in drawing and water-colors. *Mon., Wed., Fri., at 3.30.* Asst. Professor MOORE. (VI.)

As a preparation for Course 2 it is necessary to have passed satisfactorily in Course 1.

### For Graduates and Undergraduates.

[4. Roman and Mediaeval Art. *Tu., Th., Sat., at 9.* Professor NORTON.] (VII.)

Omitted in 1895–96.

3. Ancient and Mediaeval Art. *Tu., Th., Sat., at 9.* Professor NORTON and Asst. Professor MOORE. (VII.)

Course 3 may be taken as a whole course or as two half-courses; the first half on Ancient Art will be given by Professor NORTON; the second half on Mediaeval Art by Asst. Professor MOORE. Students who have taken Fine Arts 2 will not be allowed to take the second half of Fine Arts 3.

## ARCHITECTURE.

*The courses in Architecture are intended primarily for students in the Lawrence Scientific School and only Course 1a may be counted towards the degree of A.B.*

1*a*. Technical and Historical Development of the Ancient styles with especial reference to Classic Architecture. Lectures and practice in the drawing room. *Mon., Fri., at 12, and a third hour at the pleasure of the instructor.* Asst. Professor WARREN. (IV.)

This course is open to students in the College who have taken both Fine Arts 1 and Fine Arts 2 and who have attained the Grade *C* in both courses.

[1*b*. Technical and Historical Development of the Mediaeval styles of Architecture. Lectures and practice in the drawing room. *Mon., Wed., Fri., at 10.* Asst. Professor WARREN.] (II.)

Omitted in 1895–96.

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**1c.** Technical and Historical Development of Renaissance and Modern Architecture. *Mon., Wed., at 10, and a third hour at the pleasure of the instructor.* Asst. Professor WARREN. (II.)

Courses 1*b* and 1*c* are given in alternate years. They are open only, except by special permission, to those students who have passed satisfactorily in Course 1*a*.

**2a.** Elementary Architectural Drawing. *Tu., Th., 10–12.* (The drawing room is open to students during all working hours.) Asst. Professor WARREN, Messrs. NEWTON and BEMIS. (VIII.)

This course is open only, except by special permission, to those students who are taking Course 1*a* in the same year.

**2b.** Descriptive Geometry, Shades and Shadows, Perspective, Stereotomy. *Mon., 2.30–4.30.* Mr. V. A. WRIGHT. (V.)

This course is especially arranged to meet the needs of students of Architecture. It is open to students who have passed satisfactorily in Course 2*a*.

**3a.** Freehand Drawing from Architectural Subjects. Two sections. I., *Mon., Wed., Fri., at 9, and three other hours;* II., *Tu., Th., Sat., at 9, and three other hours.* Asst. Professor WARREN and Mr. NEWTON.

This is a course for practice in drawing especially arranged for students of Architecture in continuation of Fine Arts 1.

**3b.** Freehand Drawing from Architectural Subjects (second course). *Mon., Wed., Fri., at 9, and three other hours.* Asst. Professor WARREN and Mr. NEWTON. (I.)

**3c.** Freehand Drawing from Architectural Subjects (third course). *Daily, 9–10.* Asst. Professor WARREN and Mr. NEWTON.

**4a.** Elementary Architectural Design. Lectures and practice. *Tu., Th., 2.30–4.30.* Asst. Professor WARREN and Mr. NEWTON. (XI.)

This course is open to those students only who have passed satisfactorily in Courses 1*a* and 2*a* and who are taking Courses 3*a* and 1*b* or 1*c* in the same year.

**4b.** Architectural Design (second course). *Tu., Th., 2.30–4.30.* Asst. Professor WARREN and Mr. NEWTON. (XI.)

This course is open to students who have taken Course 4*a*.

**4c.** Architectural Design (advanced course). *Three times a week.* Asst. Professor WARREN and Mr. NEWTON.

This course is open to students who have taken Course 4*b*.

In the courses in design students will be expected to give all the time they can to the work. The drawing room is constantly open and an instructor is usually present.

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## MUSIC.

### For Graduates and Undergraduates.

1. Harmony. *Tu., at 2.30, Th., from 2.30–4.* Mr. SPALDING. (XI.)
   Proficiency in piano or organ playing is required of students who take Course 1. The course is open to Freshmen who, by examination, show sufficient talent and proficiency in music.

2. Counterpoint. *Mon., Fri., at 2.30.* Professor PAINE. (V.)
   Course 2 requires a knowledge of Harmony.

3 *hf.* History of Music, with analysis of the works of the great masters. *Half-course. Tu., at 3.30, and a second hour at the pleasure of the instructor.* Professor PAINE. (XII.)
   Course 3 requires a knowledge of Harmony and proficiency in piano playing.

[*7 *hf.* Instrumentation. *Half-course. Tu., at 3.30.* Professor PAINE.]
   Omitted in 1895–96; to be given in 1896–97. (XII.)
   Course 7 is open to advanced students only.

### Primarily for Graduates.

5. Canon and Fugue. — Free Thematic Music. *Mon., Fri., at 3.30.* Professor PAINE. (VI.)

6. Advanced Canon and Fugue and Free Composition. *Tu., Th., at 2.30.* Professor PAINE. (XI.)
   Courses 5 and 6 require a knowledge of Harmony and Counterpoint and proficiency in piano playing.

## MATHEMATICS.

### Primarily for Undergraduates.

*A*[1] *hf.* Logarithms. — Plane and Spherical Trigonometry. *Half-course. Mon., Wed., Fri., at 2.30 (first half-year).* Messrs. SAFFORD and ASHTON. (V.)

*B*[2] *hf.* Plane Analytic Geometry (elementary course). *Half-course. Mon., Wed., Fri., at 2.30 (second half-year).* Mr. ASHTON. (V.)

*C.* Plane and Solid Analytic Geometry (extended course). *Mon., Wed., Fri., at 2.30.* Mr. HUNTINGTON. (V.)

*D*[1] *hf.* Algebra. *Half-course. Tu., Th., Sat., at 1.30 (first half-year).* Mr. SAFFORD. (XIV.)
   This course is intended for students who are distinctly good in Elementary Algebra and who wish to make rapid progress in their mathematical studies. It is not open to students conditioned in Elementary Algebra, unless they have had no opportunity of removing the condition.

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*E*[2] *hf.* Solid Geometry. *Half-course. Tu., Th., Sat., at 1.30 (second half-year).* Messrs. ASHTON and SAFFORD. (XIV.)

This course is not open to students conditioned in Plane Geometry, unless they have had no opportunity of removing the condition.

*F.* Trigonometry and Plane Analytic Geometry. *Tu., Th., Sat., at 11.* Messrs. ASHTON and SAFFORD. (IX.)

This course devotes less time to Trigonometry than Course *A*, and more time to Analytic Geometry than Course *B*. It is better adapted to the needs of students who are going on with mathematics than Courses *A* and *B*.

Courses *B* and *C* require a previous knowledge of Plane Trigonometry; but *A* and *B* are commonly taken in the same year.

Course *C* may be taken by a beginner in Analytic Geometry as a full course for the year, or as a half-course for the first half-year. It may be taken by a student who has passed in Analytic Geometry for admission or in Course *B*; but will count for such a student as a half-course only. A student who has taken Course *A* without Course *B* in his Freshman year may take Course *C* as a full course in a later year; but he cannot take any of the higher courses until he has taken *B*, *C*, or *F*.

2. Differential and Integral Calculus (first course). *Mon., Wed., Fri., at 11.* Professor BYERLY. (III.)

Course 2 is open to those only who have taken Course *B*, Course *C*, or Course *F*.

Candidates for Second-Year Honors may take Courses 2 and 3, or 2 and 5, or 2 and 12. Other courses may be accepted on special petition.

4. The Elements of Mechanics. *Mon., Wed., Fri., at 10.* Asst. Professor OSGOOD. (II.)

Course 4 is intended for students who take or have taken Course 2.

**For Graduates and Undergraduates.**

3. Modern Methods in Geometry. — Determinants. *Mon., Wed., Fri., at 2.30.* Professor BYERLY. (V.)

Course 3 is intended for students who have taken Course *C* or Course *F*.

12[2] *hf.* Theory of Equations. — Invariants. *Half-course. Tu., Th., Sat., at 9 (second half-year).* Asst. Professor BÔCHER. (VII.)

A knowledge of so much of the elements of Determinants and of the Theory of Equations as is given in Course *D* is required of students taking this course.

5. Differential and Integral Calculus (second course). *Mon., Wed., Fri., at 11.* Asst. Professor OSGOOD. (III.)

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$12^1$ *hf.* Infinite Series and Products; Continued Fractions. *Half-course. Tu., Th., Sat., at 9 (first half-year).* Asst. Professor BÔCHER. (VII.)

6. Quaternions, with applications to Geometry and Mechanics (first course). *Mon., Wed., Fri., at 12.* Professor J. M. PEIRCE. (IV.)

8. Analytic Mechanics. *Mon., Wed., Fri., at 10.* Professor BYERLY and Mr. WHITTEMORE. (II.)

14. Higher Algebra. *Tu., Th., Sat., at 11.* Asst. Professor OSGOOD. (IX.)

**Primarily for Graduates.**

[*7a.* The General Theory of Curves and Surfaces (first course): Algebraic Plane Curves, especially Curves of the Third Degree in point or line coördinates. *Mon., Wed., Fri., at 10.* Professor J. M. PEIRCE.] (II.)

Omitted in 1895–96.

A thorough knowledge of the elements of the Differential Calculus, the general analytic theory of the Conic Sections, and the main principles of Determinants is requisite for this course. Courses *C*, *D*, 2, 3, and $12^2$ are recommended as preparatory to *7a*. Course *7a* can be taken for the first half-year as a half-course.

*7b.* The General Theory of Curves and Surfaces (second course.) *Mon., Wed., Fri., at 10.* Professor J. M. PEIRCE. (II.)

[9. Quaternions, with applications to Geometry and Mechanics (second course). *Mon., Wed., Fri., at 12.* Professor J. M. PEIRCE.] (IV.)

Omitted in 1895–96.

13. The Theory of Functions (introductory course). *Tu., Th., Sat., at 10.* Asst. Professor BÔCHER. (VIII.)

10. Trigonometric Series.—Introduction to Spherical Harmonics.—Potential Function. *Tu., Th., Sat., at 12.* Professors BYERLY and B. O. PEIRCE. (X.)

11. Hydrostatics.—Hydrokinematics.—Force Functions and Velocity-Potential Functions and their uses. *Mon., Wed., Fri., at 9.* Professor B. O. PEIRCE. (I.)

This course is given alternately with Course 15.

[15. Methods in Mathematical Physics. *Mon., Wed., Fri., at 9.* Professor B. O. PEIRCE.] (I.)

Omitted in 1895–96.

**See note under Course 11 above.**

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[16 *hf.* Problems in the Mechanics of Rigid Bodies. *Half-course. Mon., Wed., at 10.* Professor BYERLY.] (II.)
Omitted in 1895-96.

17. The Theory of Functions (second course). — Introduction to Riemann's Theory of Functions. *Tu., at 10, during the first half-year; Tu. and Th., at 10, during the second half-year.* Asst. Professor OSGOOD. (VIII.)

[18. The Theory of Substitutions. Asst. Professor OSGOOD.]
Omitted in 1895-96.

19[1] *hf.* Picard's Traité d'Analyse, Vol. I. *Half-course. Mon., Wed., Fri., at 3.30 (first half-year).* Asst. Professor BÔCHER. (VI.)

19[2] *hf.* Functions defined by Linear Differential Equations. *Half-course. Mon., Wed., Fri., at 3.30 (second half-year).* Asst. Professor BÔCHER. (VI.)

21 *hf.* Linear Associative Algebra. *Half-course. Wed., Fri., at 11 (first half year); Wed., at 11 (second half-year).* Professor J. M. PEIRCE. (III.)

This course consists in readings and discussions in the lecture-room, and cannot regularly be counted towards a degree. But a student may obtain leave to count it towards a degree by special arrangement with the instructor.

### COURSES OF RESEARCH.

20. The work of the following courses consists of investigation and reading, carried on by the students in the courses, under the guidance of the instructors. Students are expected to present their results from week to week in the form of lectures and theses.

(*a*) Klein's Icosahedron. Asst. Professor OSGOOD.

(*b*) Lamé's Products. Asst. Professor BÔCHER.

(*c*) The Algebra of Logic. *Mon., at 11.* Professor J. M. PEIRCE.

### SUMMER COURSES.

For summer courses in Mathematics, which may be counted towards the degrees of A.B. and S.B., see p. 128.

## ENGINEERING.

1*a*. Engineering Mathematics. — Plane Trigonometry. — Advanced Algebra. — Plane Analytical Geometry. *Mon., Wed., Fri., Sat., at 10.* Messrs. LOVE and ASHTON. (II and VIII.)

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1*c*. Engineering Mathematics. — Solid Analytical Geometry. — Differential and Integral Calculus. *Mon., Wed., Fri., at 11, and an additional hour at the pleasure of the instructor.* Mr. LOVE. (III.)

This course is open to students who have passed satisfactorily in Course 1*a*, or its equivalent, and have passed all the mathematical subjects required for admission. This course cannot be counted towards the degree of A.B. except by special permission of the Deans of the College and the Scientific School.

2*a hf*. Descriptive Astronomy. *Half-course. Mon., Wed., Fri., at 1.30 (first half-year).* Dr. WILLSON. (XIII.)

2*b hf*. Practical Astronomy. Use of instruments and applications to Navigation and Surveying. *Half-course. Mon., Wed., Fri., at 1.30, and laboratory work (second half-year).* Dr. WILLSON. (XIII.)

This course is intended primarily for students of Civil Engineering. It requires a working knowledge of Trigonometry and of Solid Geometry. It cannot be counted towards the degree of A.B. except by special permission of the Deans of the College and the Scientific School.

2*c*. Practical Astronomy. — Determination of time, latitude, and longitude. — Use of the sextant and astronomical transit. — Lectures, instrumental work, and computation. *Tu., Th., Sat., at 11.* Dr. WILLSON. (IX.)

This course requires a working knowledge of Trigonometry and of the elements of Solid Geometry. It may be taken as a whole course instead of Courses 2*a* and 2*b*.

3*a*. Mechanical Drawing. — Descriptive Geometry. — Tinting, Isometric Drawing, Shades and Shadows, Perspective. Lecture, *Wed., at 1.30;* Draughting, *six hours a week, Mon., Wed., Fri., 1.30–4.30, Tu., Th., Sat., 11–1.* Messrs. MOSES, A. N. JOHNSON, and TILDEN. (XIII.)

3*c hf*. Structural and Machine Drawing. — Applications of Descriptive Geometry to Engineering Constructions and Machinery. *Half-course.* Lecture, *Tu., at 11;* Draughting, *six hours a week (first half-year.)* Mr. MOSES. (IX.)

This course includes Stereotomy for students of Civil Engineering. It is open to students who have passed satisfactorily in Course 3*a*. It cannot be counted towards the degree of A.B. except by special permission of the Deans of the College and the Scientific School.

3*d hf*. Mechanism. — Study of gearing and mechanical movements. *Half-course.* Lectures, *Tu., Th., at 11;* Draughting, *four hours a week (second half-year).* Mr. MOSES. (IX.)

This course is open to students who have passed satisfactorily in Course 3*c*. It cannot be counted towards the degree of A.B. except by special permission of the Deans of the College and the Scientific School.

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**4a.** Surveying, Plotting and Topographical Drawing. — Levelling. — Field Practice. *Tu., Th., 1.30–4.30.* Messrs. TURNER and HOPKINS. (XIV.)

This course is open to students who have studied Plane Trigonometry, or to those who take at the same time Course 1*a*. It extends five weeks into the Summer for practice in the field. The Summer practice will begin as soon as possible after the final examinations, and will give a thorough practical training in all the methods of making surveys.

For Seniors, this course cannot be counted towards the degree of A.B.

**4c *hf.*** Geodetic, Mining, and Hydrographic Surveying. — Field Practice. *Half-course. Mon., Fri., 1.30–4.30 (first half-year).* Messrs. TURNER and HOPKINS. (XIII.)

This course is open to students who have passed satisfactorily in Courses 1*a*, 3*a*, and 4*a*. It cannot be counted towards the degree of A.B. except by special permission of the Deans of the College and the Scientific School.

**4d *hf.*** Railroad Engineering. — Survey, Location, and Construction of of Railroads. — Field Practice. *Half-course. Mon., Fri., 1.30–4.30 (second half-year).* Mr. TURNER. (XIII.)

This course is open to students who have passed satisfactorily in Course 4*c*. The course will extend five weeks into the Summer for practice in the field. The Summer practice will begin as soon as possible after the final examinations and will give practical training in the methods of surveying and locating railroads. The course cannot be counted towards the degree of A.B.

**4e *hf.*** Construction and Maintenance of Common Roads. *Half-course. Tu., Th., Sat., at 9 (second half-year).* Mr. MCCLINTOCK. (VII.)

This course cannot be counted towards the degree of A.B.

**5a.** Analytical and Applied Mechanics. — Problems in Statics and Dynamics. *Daily, at 11 (first half-year).* Professor HOLLIS and Mr. L. J. JOHNSON. (III. and IX.)

This course is open to students who have passed satisfactorily in the Mathematics and Physics prescribed for the first and second years of the Engineering courses, or their equivalents.

**5c.** Resistance of Materials. — Testing materials used for structural purposes. Lectures, *Daily, at 11 (second half-year).* Professor HOLLIS. (III. and IX.)

This course is open to students who have passed satisfactorily in Course 5*a*, or Mathematics 4.

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**6a *hf.*** Hydraulics. — Flow of water and fluids of varying density. — Gauging of streams and pipes.—Power of water-falls. *Half-course. Mon., Wed., Fri., at 9 (second half-year).* Messrs. TURNER and HOPKINS. (I.)

This course is open to students who take or have passed satisfactorily Course 5*a*, or Mathematics 4.

**6b *hf.*** Hydraulic and Wind Motors. — Water-wheels, Turbines, Water-engines and Wind-wheels. *Half-course. Tu., Th., Sat., at 9 (first half-year).* Mr. TURNER. (VII.)

This course is open to students who have passed satisfactorily in Course 6*a*. It cannot be counted towards the degree of A.B.

[**6c *hf.*** Water Supply and Sanitary Engineering. *Half-course. Tu., Th., Sat., at 9 (second half-year).* Mr. RICE.] (VII.)

Omitted in 1895–96.

This course is open to students who have passed satisfactorily in Course 6*a*. It cannot be counted towards the degree of A.B.

**6d *hf.*** Irrigation. — Construction of irrigation works and canals. — Hydrography. *Half-course. Tu., Th., Sat., at 9 (first half-year).* Mr. TURNER. (VII.)

This course is open to students who have passed satisfactorily in Course 6*a* and take at the same time Course 8*a*. It cannot be counted towards the degree of A.B.

**7a.** Bridges and Buildings. — Graphical Statics. — Details of iron and steel construction. Lectures, *Mon., Wed., Fri., at 12;* Draughting, *six hours a week, at hours to be fixed by the instructor.* Mr. L. J. JOHNSON. (IV.)

This course is open to students who have passed satisfactorily in Courses 5*a* and 5*c*. It cannot be counted towards the degree of A.B.

**8a *hf.*** Masonry and Foundations. — Arches, dams, piers, pneumatic foundation work and tunnels. *Half-course. Tu., Th., at 12, and a third hour to be fixed by the instructor (second half-year).* Mr. L. J. JOHNSON. (X.)

This course is open to students who have passed satisfactorily in Courses 5*a* and 5*c*. It cannot be counted towards the degree of A.B.

**10a *hf.*** Shopwork in Metals. — Use of tools. — Fitting by hand. — Study of the metals in practical working. — Lectures and laboratory work. *Half-course. Six hours a week (—— half-year).* Rindge School and Mr. BURKE. (XIV.)

The workshop courses may be taken on any two afternoons in the week, the days to be arranged to avoid interference at the beginning of the term. All the workshop courses are intended primarily for students of Mechanical and Electrical Engineering. Other students in the Scientific School may take these courses by the payment of the prescribed fee. Volunteer classes will be made up immediately after the final examinations for five weeks work in the

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Summer providing a sufficient number of students apply. Any two of the workshop courses may be taken.

Courses 10*a*, 10*b*, 10*c*, 10*d*, and 10*e* cannot be counted towards the degree of A.B.

10*b* *hf.* Blacksmithing. — Use of tools. — Forging, welding, tool dressing and tempering. — Lectures and laboratory work. *Half-course. Six hours a week* (—— *half-year*). Rindge School and Mr BURKE. (XIV.)

See note under Course 10*a*.

10*c* *hf.* Shopwork in Wood. — Use of tools. — Pattern-making and turning. — Lectures and laboratory work. *Half-course. Six hours a week* (——*half-year*). Rindge School and Mr. BURKE. (XIII.)

See note under Course 10*a*.

10*d* *hf.* Foundry Practice. — Moulding. — Casting in iron and alloys. — Mixing metals. — Lectures and laboratory work. *Half-course. Six hours a week* (—— *half-year*). Rindge School and Mr. BURKE. (XIII.)

See note under Course 10*a*.

10*e* *hf.* Machine Shop Practice. — Use of machine tools. — Construction of parts of machinery; finishing and assembling parts. — Lectures and laboratory work. *Half-course. Six to nine hours a week* (—— *half-year*). Rindge School and Mr. BURKE. (XIII.)

This course is open to students who have taken all other courses in workshop practice. See note under Course 10*a*.

11*a* *hf.* Machinery and Boilers. — Description of the different types of Engines and Boilers. — Pumping Machinery. — Hoisting Machinery. *Half-course. Tu., Th., Sat., at 9* (*first half-year*). Mr. L. S. MARKS. (VII.)

This course is intended for all students of Engineering. It is open to students who have passed satisfactorily in Course 3*a*. Wednesday afternoons must be kept free for visits of inspection.

11*b* *hf.* Steam-Engine and Boilers. — General theory and design. — Valve gears and governors. — *Half-course. Tu., Th., Sat., at 9* (*second half-year*). Mr. L. S. MARKS. (VII.)

This course is intended primarily for students of Mechanical Engineering, but it is open to all students who have passed satisfactorily in Course 11*a*. The course cannot be counted towards the degree of A.B. Wednesday afternoons must be kept free for visits of inspection.

12*a* *hf.* Efficiency and economics of engines and boilers. *Half-course. Mon., Wed., Fri., at 9* (*first half-year*). Mr. L. S. MARKS. (I.)

This course is open to students who have passed satisfactorily in Courses 1*c*, 11*a* and Physics 6[1].

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12*c hf.* Heating and Ventilation. — Warming buildings by hot water and steam. *Half-course. Tu., Th., at 12* (*second half-year*). Mr. BURKE. (X.)

This course cannot be counted towards the degree of A.B.

13*a hf.* Engineering Laboratory.— General course in experimental methods. *Half-course. Mon., 1.30–4.30.* Mr. L. S. MARKS. (XIII.)

Courses 13*a* and 13*b* are intended primarily for students of Mechanical Engineering and Course 13*d* for students of Civil Engineering, but they may be taken by others who have had enough training in Engineering to profit by them. Courses 13*a*, 13*b*, and 13*d* cannot be counted towards the degree of A.B.

13*b.* Engineering Laboratory. — Testing machinery, boilers, and accessories. — Standardizing instruments. *Tu., Th., 1.30–4.30.* Mr. L. S. MARKS. (XIV.)

See note under Course 13*a*.

13*d hf.* Engineering Laboratory. — Measurement of the flow of water, and testing hydraulic machinery. *Half-course. Th., 1.30–4.30.* Mr. TURNER. (XIV.)

See note under Course 13*a*.

14*a.* Machine Design. — Designing the parts of machinery. — Methods of proportioning the parts for strength and effect. *Tu., Th., 1.30–4.30* Mr. MOSES. (XIV.)

This course is open to students who have passed satisfactorily in Course 3*d* and who take or have taken Courses 5*a* and 5*c* and Courses 11*a* and 11*b*. It cannot be counted towards the degree of A.B.

14*b.* Machine Design. — Completed designs of machinery with estimates and specifications for contractors. *Mon., Fri., 1.30–4.30.* Professor HOLLIS. (XIII.)

This course is open to students who have passed satisfactorily in Course 14*a*. It cannot be counted towards the degree of A.B.

16*a hf.* Industrial Applications of Electricity. *Half-course.* Lectures, *Tu., Th., at 10;* laboratory, *three hours a week* (*first half-year*). Mr. ADAMS. (VIII.)

This course is intended for students of Civil and Mechanical Engineering. It cannot be counted towards the degree of A.B.

16*c hf.* Direct Current Dynamo-Electric Machinery. — Theory, testing and practice in management. *Half-course.* Lectures, *Mon., Fri., at 10;* Laboratory, *three hours a week* (*first half-year*). Messrs. ADAMS and SHAW. (II.)

This course is open to students who have passed satisfactorily in the Mathematics and Physics prescribed for the first and second years of the course in Electric Engineering.

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**16*d hf.*** Direct Current Dynamo Electric Machinery. — Continuation of Course 16*c*, with practice in design and construction. *Half-course.* Lectures. Laboratory, *six hours a week* (*second half-year*). Messrs. ADAMS and SHAW. (II.)

This course is open to students who have passed satisfactorily in Course 16*c*. It cannot be counted towards the degree of A.B.

**16*e hf.*** Alternators, Transformers, and Alternating Current Motors. — Theory, testing, and practice in management. *Half-course.* Lectures, *Mon., Fri., at 11;* Laboratory, *three hours a week* (*first half-year*). Messrs. ADAMS and SHAW. (III.)

This course is open to students who have passed satisfactorily in Course 16*c* and Physics 4.

**16 *hf.*** Alternators, Transformers, Alternating Current Motors and Allied Apparatus. — Continuation of Course 16*e* with practice in design and construction. *Half-course.* Lectures. Laboratory, *six hours a week* (*second half-year*). Messrs. ADAMS and SHAW. (III.)

This course is open to students who have passed satisfactorily in Course 16*e*. It cannot be counted towards the degree of A.B.

**18*a hf.*** Metallurgy. — Manufacture of the metals used in Engineering construction. — Lectures on the practical working of iron and steel. *Half-course. Tu., Th., Sat., at 12* (*first half-year*). Mr. TORREY. (X.)

This course is intended primarily for students of Civil and Mechanical Engineering, but it may be taken by others. It cannot be counted towards the degree of A.B.

**21.** Engineering conference on the general theory of machinery and the commercial and economic questions involved in the selection of types of machinery for given localities and duties. — Comparison of different methods of transmitting power. *Sat., 10–12.* Professor HOLLIS. (VIII.)

This course is intended primarily for seniors in all branches of Engineering. It cannot be counted towards the degree of A.B.

**22 *hf.*** Contracts and Specifications. — The principles of Common Law as applied to contracts. — Practice in drawing up specifications. *Sat., at 12* (*second half-year*). Mr. ——. (X.)

This course cannot be counted towards the degree of A.B.

### SUMMER COURSES.

For summer courses in Engineering, which may be counted towards the degrees of A.B. and S.B., see p. 128.

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## PHYSICS.

### Primarily for Undergraduates.

*B hf.* Experimental Physics. Lectures (*Wed., at 12*) and laboratory work (two hours a week). *Half-course.* Professor HALL and Mr. STARK. (IV.)

The laboratory exercises of Course *B* will probably be given on four afternoons of each week, from 1.30 to 3.30, or from 3.30 to 5.30.

Course *B* is substantially equivalent to the second alternative in the Elementary Physical Science of the requirements for admission. It is open to students who have not passed in this alternative or taken in College any course in Experimental Physics.

*C.* Experimental Physics. — Measurements in Mechanics, Sound, Heat, Light, Electricity, and Magnetism. — Lectures and laboratory work, in four sections: I., *Mon., Wed., Fri., 9–11;* II., *Mon., Wed., Fri., 11–1;* III., *Tu., Th., Sat., 9–11;* IV., *Tu., Th., Sat., 11–1.* Asst. Professor SABINE and Mr. L. D. HILL. (XIII.)

Course *C* is substantially equivalent to the Advanced Physics of the requirements for admission. It is intended for those who wish simply to study accurate scientific methods, as well as for those who wish to prepare themselves for higher courses in Physics, Chemistry, or Engineering. The course requires some previous practice in physical experimentation.

1. General Descriptive Physics. — Lectures (*Tu., Sat., at 10*) and laboratory work (two hours a week). Professor HALL. (VIII.)

Course 1 is arranged for students who wish to become acquainted with a wide range of physical phenomena, and with the means for exhibiting and applying such phenomena. It is intended for students who have taken Course *B* or who have passed in the second alternative of the Elementary Physics for admission, but may be taken by others who satisfy the instructor of their fitness to profit by the course.

***This course will not under any circumstances remove an admission condition in Advanced Physics.***

### For Graduates and Undergraduates.

**2.** Light and Heat. — Lectures (*twice a week*) and laboratory work in thermometry, radiation, interference, polarization, and spectrometry (six to eight hours per week). Asst. Professor SABINE.

Course 2 is adapted for students who have taken Physics *C* or 1 and Mathematics 2.

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3. Electrostatics, Electrokinematics, and parts of Electromagnetism. — Lectures (*Tu., at 12*) and laboratory work (six to eight hours per week). Professor B. O. PEIRCE and Mr. DURWARD. (X.)

Course 3 is adapted for students who take or have taken Mathematics 2 or its equivalent, and should be preceded by Course *B* or *C*.

4. Electrodynamics, Magnetism, and Electromagnetism. — Lectures (*Tu., Th., at 10*) and laboratory work. Professor TROWBRIDGE, Asst. Professor SABINE and Mr. LE CLEAR. (VIII.)

Course 4 is intended for students who have taken Mathematics 2 or its equivalent and who have taken Physics 3.

5. Light. — A general treatment of Optical Phenomena. — Lecture, *Th., at 5*, and laboratory work. Professor TROWBRIDGE.

Course 5 is adapted for students who have taken Mathematics 2 or its equivalent, and must be preceded by Course 2.

$6^1$ *hf.* Elements of Thermodynamics. *Half-course. Mon., Fri., at 9, and a third hour at the pleasure of the instructor (first half-year).* Professor HALL. (I.)

Course 6 is adapted for students who have taken Mathematics 2 or its equivalent.

$6^2$ *hf.* Thermodynamic Potential and the Kinetic Theory of Gases. *Half-course. Mon., Fri., at 9, and a third hour at the pleasure of the instructor (second half-year).* Professor HALL. (I.)

Course $6^2$ is open to students who have taken Course $6^1$, or who otherwise satisfy the instructor of their fitness.

**Primarily for Graduates.**

8. Electrodynamics, with special reference to periodic currents of electricity. — Laboratory work (nine hours per week). Professor TROWBRIDGE.

Course 8 is open to those students only who have taken Course 4 and who have no other laboratory course.

9. The Mathematical Theory of Electrostatics and Electrokinematics. Professor B. O. PEIRCE.

10. The Mathematical Theory of Electrodynamics and Electromagnetism. Professor HALL.

The work of this course will be mainly reading and discussion.

Courses 9 and 10 are open to those students only who have had Mathematics 10 or its equivalent.

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COURSES OF RESEARCH.

20. To competent students who have acquired the requisite knowledge and practice, opportunities are offered of pursuing, under the guidance of the instructors, investigations of special topics as follows: —

(*a*) Spectrum Analysis. *Mon., Tu., Wed., Th., Fri., Sat., 11–1.* Professor TROWBRIDGE.

(*b*) Investigation of Problems in Mathematical Physics. Professor B. O. PEIRCE.

(*c*) Electromagnetism and Heat Conduction. Professor HALL.

SUMMER COURSE.

For a summer course in Physics, which may be counted as a half-course towards the degrees of A.B. and S.B., see p. 129.

## CHEMISTRY.

### Primarily for Undergraduates.

*B.* Experimental Chemistry. — Lectures, *Tu., Th., 2.30;* and laboratory work, *Tu., Th., 3–5 (and Mon., Wed., 1.30–3.30).* Mr. TORREY. (XI.)

Course *B* is designed for Freshmen and all those desiring an elementary knowledge of the principles of Chemistry. It is not open to students who have passed in the Elective Chemistry at the examination for admission. Each exercise consists of a lecture or recitation, followed by laboratory work.

1. General Descriptive Chemistry, including its applications in the arts, and embracing the scheme of the chemical elements. — Lectures, *Mon., Fri., at 12,* and laboratory work *Tu., Th., 1.30–3.30, or Wed., Fri., 2.30–430.* Professor JACKSON. (IV.)

3. Qualitative Analysis (chiefly laboratory work). *Mon., Wed., Fri., at 11.* Professor H. B. HILL. (III.)

Course 3 is open only to students who have taken Course 1.

4. Quantitative Analysis, gravimetric and volumetric (chiefly laboratory work). *Mon., Wed., Fri., at 3.30.* Asst. Professor RICHARDS and Mr. H. G. PARKER. (VI.)

Course 4 may be taken with Course 3, but otherwise is only open to students practised in qualitative analysis.

### For Graduates and Undergraduates.

The laboratory work in Courses 9, 10, and 5 will be varied within certain limits according to the needs of each student.

$9^1$ *hf.* Advanced Quantitative Analysis. *Half-course. Mon., Wed., Fri., at 2.30 (first half-year).* Asst. Professor RICHARDS. (V.)

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10[2] *hf.* Gas Analysis. *Half-course. Mon., Wed., Fri., at 2.30 (second-half-year).* Asst. Professor RICHARDS. (V.)

Courses 9 and 10 are open only to students who have taken Course 4.

5. The Carbon Compounds. — Systematic lectures upon the theories of organic chemistry and the properties of the more important compounds. — Ultimate organic analyses. — Preparation of organic compounds in the laboratory. *Mon., Wed., Fri., at 9.* Professor H. B. HILL. (I.)

Course 5 is open only to students who have taken Course 1.

8 *hf.* History of Chemistry and Chemical Philosophy. *Half-course. Tu., Th., at 12 (first half-year).* Asst. Professor RICHARDS. (X.)

Course 8 is required of all candidates for final honors in Chemistry.

**Primarily for Graduates.**

*6. Physical Chemistry. Lectures, *Wed., Fri., at 12;* laboratory, *Mon., at 12.* Asst. Professor RICHARDS. (IV.)

After the year 1895-96 Course 6 will be open only to students who have taken Courses 4 and 8, Physics 1 or *C*, and Mathematics *A* and *B* or Engineering 1*a*. A knowledge of the Calculus (Mathematics 2) is desirable.

COURSES OF RESEARCH.

20. To competent students who have acquired the requisite knowledge and practice, the following are offered as subjects of research under the guidance of the instructors named: —

(*a*) Inorganic Chemistry, including Determination of Atomic Weights. *Five times a week.* Asst. Professor RICHARDS.

(*b*) Organic Chemistry. *Five times a week.* Professor JACKSON.

(*c*) Organic Chemistry. *Six times a week.* Professor H. B. HILL.

(*d*) Physical Chemistry. *Five times a week.* Asst. Professor RICHARDS.

At the Laboratories of Boylston Hall the Professors will direct advanced students in Chemistry in any other special studies or investigations.

## BOTANY.

**Primarily for Undergraduates.**

1[2] *hf.* Botany. — Lectures (*Tu., Th., at 10, and a third hour at the pleasure of the instructor*) and laboratory practice. *Half-course (second half-year).* Professor GOODALE. (VIII.)

This course is required as an introduction to Courses 3 and 4. It is intended for beginners and for those who wish to get a comprehensive view of the subject. It is open to Freshmen, and may be taken with advantage in the same year with Zoölogy 1.

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2[1] *hf.* Morphology of Plants. *Half-course. Mon., Wed., Fri., at 2.30,* and laboratory work (*first half-year*). Asst. Professor THAXTER. (V.)

*This course cannot be taken separately from Zoölogy* 2. Exceptions from this rule will be allowed only after consultation with, and approval by, the instructors in Zoölogy 1 and 2 and Botany 2. This course is open to those only who take or have taken Zoölogy 1. The number of students in the course is necessarily limited, and preference will therefore be given to those who intend to take Botany 4, Zoölogy 3, or 4, or Geology 15, or to study Medicine.

**For Graduates and Undergraduates.**

*3. Botany (second course). — Lectures (*Tu., Th., at 2.30*) and laboratory practice (*Tu., Th., and Sat.*). Professor GOODALE. (XI.) Course 3 is open to those only who have taken Course 1.

*4[2] *hf.* Cryptogamic Botany. — Lectures and laboratory work. *Half-course. Tu., Th., Sat., at 11 (second half-year).* Professor FARLOW and Asst. Professor THAXTER. (IX.) Course 4 is open to those only who have taken Courses 1 and 2.

**Primarily for Graduates.**

COURSES OF RESEARCH.

20*a*. Structure and Development of Phanerogams. — Experimental Vegetable Physiology. — Systematic Botany (Phanerogams and Pteridophytes). — Economic and Medical Botany. Professor GOODALE.

20*b*. Structure and Development of Cryptogams. Professor FARLOW and Asst. Professor THAXTER.

SUMMER COURSE.

For a summer course in Botany, which may be counted as a half-course towards the degree of A.B. and S.B., see p. 129.

## ZOÖLOGY.

*Students should consult the pamphlet descriptive of courses in Zoölogy. Ability to read German and French will be of advantage in any of the courses in Zoölogy and will be presumed in those not primarily for undergraduates.*

**Primarily for Undergraduates.**

1[1] *hf.* Zoölogy. — Lectures and laboratory demonstrations. *Half-course. Tu., Th., and (at the pleasure of the instructor) Sat. at 10 (first half-year).* Dr. C. B. DAVENPORT. (VIII.)

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The laboratory demonstrations of Course 1 will occupy each student three hours a week; there are five sections: I., *9–10* and *11–1, Tu.;* II., *1.30–4.30, Tu.;* III., *9–10* and *11–1, Th.;* IV., *1.30–4.30, Th.;* V., *9–10* and *11–1, Sat.*

This course is required as an introduction to Zoölogy 2 and Botany 2. It is intended for beginners and those who wish to get a comprehensive view of the subject. It is open to Freshmen and may be taken with advantage in the same year with Botany 1.

$2^2$ *hf.* Morphology of Animals. — Lectures and laboratory work. *Half-course. Mon., Wed., Fri., at 2.30 (second half-year).* Dr. G. H. PARKER. (V.)

*This course cannot be taken separately from Botany* 2. For other conditions and exceptions see note under Botany 2.

## For Graduates and Undergraduates.

3. Comparative Anatomy of Vertebrates. — Lectures, laboratory work, and reports. *Tu., Th., Sat., at 9.* Dr. G. H. PARKER. (VII.)

Course 3 is open to those only who have taken Course 2 and Botany 2.

*$4^1$ *hf.* Microscopical Anatomy. — Lectures and laboratory work. *Half-course. Mon., Wed., Fri., at 10 (first half-year).* Professor MARK and Dr. W. McM. WOODWORTH. (II.)

Course 4 is preparatory to Courses 5 and 20*a*. It is open to those only who have taken Course 2, and may be taken advantageously either after or with Course 3.

*$5^2$ *hf.* Embryology of Vertebrates. — Lectures and laboratory work. *Half-course. Mon., Wed., Fri., at 10 (second half-year).* Professor MARK. (II.)

Course 5 is open to those only who have taken Course 4.

*6. Experimental Morphology. — Lectures, laboratory work, and a thesis. *Tu., Th.* Dr. C. B. DAVENPORT.

Course 6 is open to those only who have taken Course 2, and may be taken advantageously either after or with Course 3.

*$7^1$ *hf.* Nervous System and its Terminal Organs. *Half-course. Mon., Wed., Fri., at 3.30 (first half-year).* Dr. G. H. PARKER. (VI.)

Course 7 should ordinarily be preceded by Course 3 and is open to those only who have taken Course 2.

## Primarily for Graduates.

### COURSES OF RESEARCH.

**20*a*. Anatomy and Development of Vertebrates and Invertebrates.** Professor MARK.

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## GEOLOGY.

### Primarily for Undergraduates.

Courses 4, S 1 (see list of summer courses), 1, 2, and 3 are intended for beginners and for those who wish to get a general view of these subjects. They are open to Freshmen.

Courses 1, 2, 3, and 4, cannot be counted by Seniors towards the degree.

4. Elementary Geology. — Lectures, laboratory and field work, with collateral reading. — Geikie's Class Book in Geology (3d ed.); Roberts' The Earth's History. *Mon., Wed., Fri., at 12.* Professor SHALER and Messrs. DALY and SCHRADER. (IV.)

Provisional laboratory hours are as follows: — *Tu., Wed., Th., 1.30–4 30.*

This course may be taken as a half-course by students who omit the laboratory and field work.

Those who have taken Course 4 in a previous year as a half-course may take laboratory and field work as a half-course.

Course 4, taken as a full course, is required for admission to the advanced courses in Geology, and students thus electing it must keep Tuesday, Wednesday, or Thursday afternoon free for laboratory and field work.

S 1. Elementary Geology: Summer Course. See p. 129.

$2^1$ *hf.* Physical Geography. — Lectures, laboratory and field work. *Half-course. Mon., Wed., Fri., at 10, a laboratory conference of one hour on Tu. between 9 and 12, and additional laboratory and field hours (first half-year).* Professor DAVIS and Mr. GRISWOLD. (II.)

Course 2 is recommended to students expecting to take Course 8, in preparation for the more advanced courses in Geology, and is required for those intending to take Course 6 or 7. Four field excursions will be made in October and November on Friday or Saturday afternoons.

$1^2$ *hf.* Meteorology. — Lectures, observations, and laboratory work. *Half-course. Mon., Wed., Fri., at 10, a laboratory conference of one hour on Tu. between 9 and 12, and additional laboratory hours (second half-year).* Mr. WARD. (II.)

Course 1 is required for admission to the courses in Climatology (Geol. 19) and advanced Meteorology (Geol. 21).

3 *hf.* Physical Geography and Meteorology. — Lectures. *Half-course. Wed., Fri., at 10.* Professor DAVIS, and Messrs. GRISWOLD and WARD. (II.)

The lectures (on Wednesday and Friday) of Geology $2^1$ and $1^2$ may be taken together, without the rest of the work. They will then count as a half-course running through the year, and will be designated as Geology 3. Those who do not propose to study further in Physical Geography may thus gain a general view of the subject.

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**For Graduates and Undergraduates.**

[*6² *hf.* Physical Geography of the United States.—Lectures, library work, and reports. *Half-course. Mon., Wed., Fri., at 12 (second half-year).* Professor DAVIS.] (IV.)

Omitted in 1895–96.

*7² *hf.* Physical Geography of Europe. — Lectures, library work, and reports. *Half-course. Mon., Wed., Fri., at 12 (second half-year).* Professor DAVIS. (IV.)

Courses 6² and 7² will be given in alternate years. Course 2 is required and Course 4 is recommended in preparation for either, and in Course 7² the use of French and German books will be required.

*8. General Critical Geology. — Lectures, field work, reports, and reading. *Wed., Fri. (and occasionally Mon.), at 9, and additional hours for conference and field work.* Mr. J. B. WOODWORTH. (I.)

Course 8 is open to those only who have attained satisfactory grades in Course 4 or its equivalent. Students taking this course must keep Thursday or Friday afternoon free for field work (see Course S 1 on p. 129).

S 2. Advanced course of field work: Summer Course. See p. 129.

[*9. Structural and Dynamical Geology of the Stratified Rocks; with especial reference to the history and results of geological surveying in the United States. — Lectures, library work, and theses. *Twice a week.*]

Omitted in 1895–96.

Course 9 is open to those only who have attained satisfactory grades in Course 8, or in Course S 2.

*10¹ *hf.* Mining Geology. — Lectures, reading, and occasional field work. *Half-course. Tu., Th., Sat., at 12 (first half-year).* Asst. Professor SMYTH. (X.)

Geology 4 and Mineralogy 2 or their equivalents are required as a preparation for this course.

*11² *hf.* Geological Surveying. — Lectures, field work, and reports. *Half-course. Tu., Th., Sat., at 12 (second half-year).* Asst. Professor SMYTH. (X.)

Geology 4 and Engineering 4*a*, or their equivalents, are required as a preparation for this course.

Professor Smyth will direct the field work of students in Courses 10 and 11, in selected mining districts, during the summer vacation.

Courses 10 and 11 are specially intended for students in the Lawrence Scientific School, and cannot be counted towards the degree of A.B., except by consent of the Deans of the College and the Scientific School.

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14. General Palaeontology. — Lectures and theses. *Half-course. Wed., Fri., at 10, and occasionally on Monday.* Professor SHALER and Dr. JACKSON. (II.)

Course 14 is open to those only who have taken Geology 4 (or who have an equivalent preparation). Ability to read scientific French and German is desirable.

*13. Invertebrate Palaeontology. — Lectures and laboratory work. *Tu., Th., at 10, with additional laboratory hours.* Dr. JACKSON. (VIII.)

Course 13 requires Geology 4, Botany 1, and Zoölogy 1 or their equivalent as preparation.

*15. Historical Geology. — Laboratory and field work, with conferences and theses. *Mon., at 3.30.* Professor SHALER and Dr. JACKSON. (VI.)

This course is designed to train advanced students in the use of fossils in identifying geological horizons. It is open to those only who already have some knowledge of Geology and Palaeontology. Geology 8, 13, or 14, and S 2 and Zoölogy 2, afford a suitable preparation.

*16 *hf.* Glacial Geology. — Lectures, conferences, and field work. *Half-course. Wed., at 11, with additional hours for field work in October, November, April, and May, and for laboratory and library work from December to March inclusive.* Mr. J. B. WOODWORTH. (III.)

Course 16 is open to those only who have taken Courses 1, 2, and 4, or their equivalents. Courses 8 and 6 are also recommended. Students taking this course must keep one half-day in each week free for field work.

*18. Economical Geology. First half of the course: the non-metalliferous minerals. — Lectures, reading, and theses. *Wed., Fri., and (at the pleasure of the instructor) Mon., at 11.* The second half of the course (the Metals and Metalliferous Ores) will be given in the year 1896–97. Professor WHITNEY. (III.)

Course 18 is open only to those who have taken Geology 4 or S 1, and Mineralogy 2. Geology 8 and Petrography 12 are also desirable as a preparation.

[*19[1] *hf.* Climatology. — Lectures, library work and reports. *Half-course (first half-year).* Mr. WARD.]

This course will not be given until 1896–97.
Course 19 is open only to those who attain a satisfactory grade in Course 1.

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*27[2] *hf.* Pre-Cambrian Geology of North America: with especial reference to the stratigraphy and economics of the rocks in the original Laurentian area and the region of the Great Lakes. *Half-course. Mon., Wed., Fri., at 2.30 (second half-year).* Asst. Professor SMYTH. (V.)

Course 8 and Mineralogy 2 are required as a preparation for this course.

**Primarily for Graduates.**

Students in these courses are expected to attend the meetings of the Geological Conference (see below).

COURSES OF RESEARCH.

20. Physical Geography (third course). — Conferences, reports, and theses. *Th., at 9, and a second hour at the pleasure of the instructor.* Professor DAVIS. (VII.)

Course 20 is open to those who have passed satisfactorily in Course 2[1], and may be taken as a half-course by such students, following Course 2[1] in the second half of the same year. Some knowledge of Geology is also desirable in preparation.

21. Meteorology (second course). — Lectures, library work, and theses. *Th., at 11, and a second hour at the pleasure of the instructor.* Professor DAVIS. (IX.)

Course 21 is open to those who have passed satisfactorily in Course 1[2].

22*a*. Advanced geological field-work. — Field and library work, with reports, conferences, and theses. *Tu., at 4.30.* Mr. JAGGAR, in coöperation with Professors SHALER, DAVIS, and WOLFF.

This course gives training in the methods of original geological investigation in the field, the preparation of geological maps and reports, and experimental work in the laboratory. It is open to those only who have passed satisfactorily in Course 8 and who have studied Mineralogy. Additional experience in field-work, such as is acquired in S 2, or in the summer work of Geology 10, is desirable.

22*b*. Geological investigation in the field and laboratory, under the supervision of the instructors of the Department. Professor SHALER.

This course is intended for students who have already passed in Course 22*a*, 16, or 10, or their equivalent.

24. Advanced Palaeontology. — Laboratory work and theses. Professor SHALER and Dr. JACKSON.

This course is open to those only who have studied Zoölogy and Palaeontology.

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[26 *hf.* Geographical methods and results. *Half-course.* Professor WHITNEY.]

Omitted in 1895–96.

This course is a discussion of the methods by which, from the earliest time, geographical information has been obtained and represented on maps and charts, and will include a survey of the lives and work of the great geographical discoverers.

S 3. Training in field research: Summer Course. See p. 129.

### GEOLOGICAL CONFERENCE.

The instructors in the department will meet the more advanced students in the various courses on Tuesday evenings for the presentation of papers and reports upon subjects investigated by the members, with informal comment and discussion by those present. At every meeting there will be at least one leading paper by an instructor, occasionally illustrated by the stereopticon, on a subject previously announced: there will also be brief statements of work in progress, comments on new publications, and other matters of interest. All members of the University are invited, and the members of Courses 15, 16, 20, 22, 24, 27, and Petrography 20 are expected to be present.

### SUMMER COURSES.

For summer courses in Geology, which may be counted towards the degrees of A.B. and S.B., see p. 129.

## MINERALOGY AND PETROGRAPHY.

### Primarily for Undergraduates.

2. (Formerly Chemistry 2.) Mineralogy (including Crystallography, Physical and Chemical Mineralogy, and Descriptive Mineralogy). *Mon., Wed., Fri., at 10, with additional laboratory hours.* Professor WOLFF and Mr. WHITTLE. (II.)

*Text-books:* G. H. Williams's Elements of Crystallography and E. S. Dana's Text-book of Mineralogy.

Students proposing to study Petrography are advised to take with Course 2 the second half of Course 7.

[8[1] *hf.* (Formerly Geology 28[1] *hf.*) Geology and Mineralogy of building stones. *Half-course. Three lectures a week with laboratory work (first half-year).* Professor WOLFF.]

Omitted in 1895–96; to be given in 1896–97.

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**For Graduates and Undergraduates.**

7. (Formerly Chemistry 7.) Crystallography and the Physics of Crystals. — Lectures and Practical Exercises. — *First half-year:* Discussion and measurement of crystals. — *Second half-year:* Crystal Optics. Professor WOLFF.

Either half of this course may be taken separately.

*12. (Formerly Geology 12.) Petrography. — Lectures, laboratory work, and theses. *Tu., Th., at 11, and an occasional third hour, with additional laboratory hours.* Professor WOLFF and Mr. WHITTLE. (IX.)

Course 12 is open to those only who have taken Geology 4 and 5, or S 1, and Mineralogy 2. The ability to read scientific German is desirable.

**Primarily for Graduates.**

COURSES OF RESEARCH.

20 *a*. (Formerly Chemistry 20 *e*). Mineralogy. Professor WOLFF.

20 *b*. (Formerly Geology 23.) Petrographical research in the field and laboratory, with lectures and conferences on selected topics. *Three times a week.* Professor WOLFF.

This course is open to those only who have taken Course 12 or its equivalent.

## AMERICAN ARCHAEOLOGY AND ETHNOLOGY.

**Primarily for Graduates.**

INTRODUCTORY COURSE.

1. General Anthropology, with special reference to American Archaeology and Ethnology. — Lectures and laboratory work. *Mon., Wed., Fri., at 3.30, with additional laboratory work.* Professor PUTNAM and Dr. DORSEY. (VI.)

COURSE OF RESEARCH.

20. A course of special research in Archaeology and Ethnology, requiring three years for its completion. Professor PUTNAM and Dr. DORSEY.

This course will be carried on by work in the Laboratory and Museum, lectures, field work and explorations, and in the third year by some special research.

For this course a knowledge of Elementary Chemistry, Geology, Botany, Zoölogy, Drawing, and Surveying is required; and courses in Ancient History, Ancient Art, and Classical Archaeology are recommended as useful.

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## ANATOMY, PHYSIOLOGY, AND PHYSICAL TRAINING.

These courses may be counted towards the degree of S.B. only, except Course 1, which may be counted for the degree of A.B.

*1[2] *hf.* Elementary Physiology and Hygiene. — Personal Hygiene. — Emergencies. *Half-course. Tu., Th., Sat., at 10.* Laboratory work in sections. I, *Tu, 9–10, 11–1;* II, *Th., 9–10, 11–1;* III, *Sat., 9–10, 11–1* (*second half-year*). Asst. Professor G. W. FITZ. (VIII.)

2[1] *hf.* History and Philosophy of Physical Education. *Half-course.* Conference. *Mon., at 12* (*first half-year*). Dr. D. A. SARGENT and Asst. Professor G. W. FITZ. (IV.)

In Course 2 a large amount of reading is required.

8. Physiology of Exercise. — Experimental work and thesis. Chiefly laboratory work. Asst. Professor G. W. FITZ.

Course 8 must be preceded by the course in General Physiology at the Medical School, or its equivalent.

4[1] *hf.* Anthropometry. — Measurements and Tests of the Body. — Effects of Age, Nurture and Physical Training. — Lecture and Practical Exercises. *Half-course. Three times a week* (*first half-year*). Dr. SARGENT.

5[2] *hf.* Applied Anatomy and Animal Mechanics. — Action of the Muscles in different exercises. — Lectures and demonstrations. *Half-course. Three times a week* (*second half-year*). Dr. SARGENT.

6[2] *hf.* Remedial Exercises. — The Correction of abnormal conditions and positions. — Lectures and demonstrations. *Half-course. Twice a week* (*second half-year*). Asst. Professor G. W. FITZ.

Courses 4, 5, and 6 must be preceded by the course in General Anatomy at the Medical School, or its equivalent.

## MILITARY SCIENCE.

1[1] *hf.* The operations of war, military history, organization, tactics, logistics, strategy, and military law. — Lectures. — Required reading and reports. *Half-course. Tu., Th., Sat., at 12* (*first half-year*). Lieutenant ROBINSON. (X.)

2[2] *hf.* Military engineering, fortification, ordnance, and gunnery, uses of electricity in warfare. — Required reading and problems. *Half-course. Tu., Th., Sat., at 12* (*second half-year*). Lieutenant ROBINSON. (X.)

Course 2[2] is open, without consultation, to all students who have passed satisfactorily in Mathematics *F* and 4 (or Engineering 1*a* and 5*a*). All others must consult the instructor in advance.

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# SUMMER COURSES OF INSTRUCTION.

Among the courses of instruction offered by Harvard University in the summer of 1895, the following may be counted, under the regulations of the Faculty of Arts and Sciences, towards the degrees of A.B and S.B: —

## GERMAN.

**S 2.** Grammar, reading, and composition. The text books used are as follows: — Riehl (Der Fluch der Schönheit). — Freytag (Aus dem Staat Friedrichs des Grossen). — Heine (Die Harzreise). — Goethe (first three books of Dichtung und Wahrheit). — Lessing (Minna von Barnhelm). — Schiller (Wilhelm Tell and Das Lied von der Glocke). — Thirty pages of lyrics and ballads. Considerable attention will be given to translation at sight and to rapid reading *without* translation. *Six times a week, for five and one-half weeks, beginning July 5 (to count as a half-course).* Associate Professor BARTLETT.

A student of Harvard College taking this course must have taken German *A* or its equivalent or have passed, with credit, the admission examination in Elementary German.

**S 3.** Daily lectures on the development of German Literature in the eighteenth and the early part of the nineteenth century. Reading and critical discussion of selections from representative works of Lessing, Goethe, and Schiller. The course will be conducted entirely in German. *Six times a week for five and one-half weeks, beginning July 5 (to count as a half-course).* Asst. Professor SCHILLING.

A student of Harvard College taking this course must have taken German *B* or *C* or 1*a* or have passed, with credit, the admission examination in Advanced German.

In 1896 Summer Courses in German cannot be counted towards the degrees of A.B. and S.B.

## FRENCH.

**S 2.** Grammar, reading and composition. *Six times a week, for five and one-half weeks, beginning July 5 (to count as a half-course).* Asst. Professor DE SUMICHRAST.

A student of Harvard College taking this course must have taken French *A* or its equivalent, or have passed the admission examination in Elementary French.

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S 3. History of French literature from its origins to the present day. — Reading of texts. — Lectures. *Six times a week for five and one-half weeks beginning July 5 (to count as a half-course).* Asst. Professor DE SUMICHRAST.

The course will be conducted in French.
A student of Harvard College taking this course must have taken French 2, or passed 1*a* or 1*c* with the grade of *A*.
In 1896 Summer Courses in French cannot be counted towards the degrees of A.B. and S.B.

## MATHEMATICS.

S 1. Plane Trigonometry. — Logarithms. — Problems in the calculation of heights, distances, and areas, and in sailing. *Five times a week, for six weeks, beginning July 5 (to count as a half-course).* Mr. LOVE.

S 2. Elementary Solid Geometry. *Five times a week for six weeks, beginning July 5 (to count as a half-course).* Mr. COAR.

S 3. Plane Analytic Geometry. *Five times a week for six weeks, beginning July 5.* Mr. LOVE.

## ENGINEERING.

S 1. Surveying, Plotting, and Topographical Drawing.—Johnson's Theory and Practice of Surveying. — Geodesy. *Six times a week for six weeks, beginning July 5 (to count as a half-course).* Mr. TURNER.

This course corresponds to Course 4*a* [2 of 1893–94] in Engineering, and when counted for a degree is subject to the same restrictions.

S 2. Levelling. — Topographical Drawing. — Searle's Field Engineering. — Railroad Surveying, Location, and Construction. *Six times a week for six weeks, beginning July 5 (to count as a half-course).* Mr. TURNER.

This course corresponds to Course 4*d* [4 of 1893–94] in Engineering, and when counted for a degree is subject to the same restrictions.

S 3. Draughting and Descriptive Geometry. — Problems in Geometrical Drawing. — Isometric Drawing. — Perspective. *Six times a week for six weeks, beginning July 5 (to count as a half-course).* Mr. A. N. JOHNSON.

## PHYSICS.

S 2. Experimental Physics. — Measurements in Mechanics, Sound, Heat, Light, Electricity, and Magnetism. — Laboratory work. *Six times a week for six weeks, beginning July 5 (to count as a half-course).* Mr. SABINE.

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## BOTANY.

**S 1.** Vegetable Morphology and Systematic Botany. — Laboratory work in both subjects. — Lectures. *Five times a week, together with Saturday excursions for five weeks, beginning June 28 (to count as a half-course).* Mr. JONES.

## GEOLOGY.

**S 1.** Elementary Geology: at Cambridge. Exercises. *Five times a week for six weeks, beginning July 5 (to count as a half-course).* Mr. LADD.

This course is parallel to Geology 4, and will be accepted as its equivalent in preparation for more advanced courses.

**S 2.** Advanced course of field work in stratigraphical geology: at Utica, N. Y., Catskill, N. Y., and Meriden, Conn. *Six times a week for six weeks from August 14 (to count as a half-course).* Professor BRIGHAM and Mr. KUMMEL.

This course is open to those who have taken Geology 4 or Course S 1, or who possess an equivalent amount of training in Geology. Students intending to take it are recommended to take also Geology 2 and 8 in preparation. It is required as a preparation for Geology 22*a*, and will be accepted as a preparation for Geology 9 and 15.

**S 3.** Training in field-research, and in the methods of professional geological field-work, the results to be presented in a thesis: for advanced students. *To count as a full course, if pursued for not less than ten weeks; as a half-course if pursued for less than ten weeks and not less than five.* Professors SHALER, DAVIS, and WOLFF.

## MINERALOGY.

**S 1.** Mineralogy. — Lectures and laboratory work. *Five times a week for six weeks, beginning July 5 (to count as a half-course).* Professor WOLFF.

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# COURSES IN THE MEDICAL SCHOOL.

By vote of the Faculty the following laboratory courses to be given at the Medical School in 1895-96 are recognized as suitable courses for students in the Graduate School. These courses are designed for such students only as are prepared to do original work. The extensive equipments of the several laboratories will be placed at the disposal of such students.

Experimental Physiology, by Dr. BOWDITCH.

Anatomy, by Dr DWIGHT. (Practical work, without instruction, with the privilege of attending lectures in the subject.)

Bacteriology, by Dr. ERNST.

Comparative Vertebrate Embryology, by Dr. MINOT.

For further information application should be made to Dr. W. L. RICHARDSON, *Dean*, Harvard Medical School, Boylston Street, Boston.

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# EXAMINATION GROUPS.

**No student is allowed to take more than one course in any of these groups, with the exception of half-courses which are not given in the same half-year and of the following: the courses having the same letter or number in Latin and Greek Composition; Physics *B* and Chemistry 1; French 3 and German *A* or *B*; Philosophy 6 and 13. Italics indicate the only courses regularly open to Freshmen. (See p. 219.) The hours given are recitation hours. Courses in brackets are not given in 1895–96.**

I. (M. W. F. at 9.)
Semitic $3^2$
Class. Phil. $22^1$, $40^2$
English 1, [18]
French 6
Comp. Lit. [$21^1$], [$22^2$]
*History 1*
History [17], 18
Government [12]
Economics 1
Architecture 3*b*
Mathematics 11, [15]
Engineering 6*a*, 12*a*
Physics $6^1$, $6^2$
Chemistry 5
Geology 8

II. (M. W. F. at 10.)
Semitic $3^1$
Greek [11]
Latin 1, 6
Class. Phil. 42
English *BC*, 2, [$8^1$], $11^1$, $11^2$, 29
*German B*
*French 2c*
French 11, [12]
Comp. Lit. 2
Philosophy [14]
History 9
Architecture [1*b*], 1*c*
Mathematics 4, [7*a*], 7*b*, 8, [16]
Engineering 1*a*, 16*c*, 16*d*
Zoölogy $4^1$, $5^2$
*Geology* $1^2$, $2^1$
Geology 3, 14
*Mineralogy 2*

III. (M. W. F. at 11.)
Semitic 1
Greek 1
*Latin A, C, D*
Latin 8
Class. Phil. $45^1$
English $3^2$, [4], 15, 23
*German 1b*
Germ. Phil. 16
Spanish 2, 3
Philosophy 7, 15, 17
History 10
Mathematics 2
Mathematics 5, 21
Engineering 1*c*, 5*a*, 5*c*, 16*e*, 16*f*
Chemistry 3
Geology 16, 18

IV. (M. W. F. at 12.)
Semitic 4
*Greek B*
Class. Philol. 20, [$28^2$], $31^2$, [$36^1$]
English 5
*German 2*
Germ. Phil. 13
Philosophy 2*a*
History 2, [3], 11
Government 8
Architecture 1*a*
Mathematics 6, [9]
Engineering 7*a*
*Physics B*
*Chemistry 1*
Chemistry 6
*Geology 4*
Geology [$6^2$], $7^2$
Physiology 2

XIII. (M.W.F. at 1.30.)
*Greek E*
*Latin E*
English $3^1$
*German 4*
*French 2a*
*Spanish 1*
Philosophy $10^1$, [$11^1$]
History 8
Government 13
Economics $5^1$, $13^2$
*Engineering 3a*
Engineering 2*a*, 2*b*, 4*c*, 4*d*, 10*c*, 10*d*, 10*e*, 13*a*, 14*b*
*Physics C*

V. (M. W. F. at 2.30.)
Semitic 13, 16
Sanskrit $1^1$, $1^2$
*Greek F*
*Latin F*
Latin $13^2$
Class. Philol. [26], [38], $41^1$
English 14, 17
*German 6*
Italian [3]
Philosophy 1, 12
History [4], $15^1$, 22
Economics 2
*Fine Arts 1*
Architecture 2*b*
Music 2
*Mathematics* $A^1$, $B^2$, *C*
Mathematics 3
Chemistry 9, 10
Botany $2^1$
Zoölogy $2^2$
Geology 27

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**VI. (M. W. F. at 3.30.)**

Semitic 8, 13
Sanskrit $2^1$, $3^2$
Class. Phil. 37
English [7], 9, [13], 30
German 8, $9^1$, $11^2$
*French 1c, 4*
Philoscphy [4], 18
Government 5, 11
Fine Arts 2
Music 5
Mathematics $19^1$, $19^2$
Chemistry 4
Zoölogy $7^1$
Geology 15
Archaeology 1

**VII. (Tu. Th. S. at 9.)**

Semitic $3^2$
*Greek A*
Greek 8
*Latin B, D*
Class. Phil. 21
*German C, 1c*
Germ. Phil. $12^1$
Italian 2
Rom. Phil. 4, [6]
Philosophy 6, 13
History 5, $16^2$
*Government $1^1$*
Government $6^1$, $7^2$
Economics 4, 14
Fine Arts 3, [4]
Mathematics $12^1$, $12^2$
Engineering *4e*, *6b*, [*6c*], *6d*, *11a*, *11b*
Zoölogy 3
Geology 20

**VIII. (Tu. Th. S. at 10.)**

Semitic 6
Greek 2, 6
Class. Phil. 23, [$27^2$]
*English 28*
English [$24^2$]
*German 3*
German 10
*French 1a*
French 9, [10]

**VIII. (continued).**

Rom. Phil. 3
Comp. Lit. 1
Philosophy 5
Government 4
Economics 9
Architecture *2a*
Mathematics 13, 17
Engineering *1a*, *16a*, 21
*Physics 1*
Physics 4
*Botany $1^2$*
*Zoölogy $1^1$*
Geology 13
Physiology $1^2$

**IX. (Tu. Th. S. at 11.)**

Semitic 12
*Greek C*
Latin 11, [12]
*German 1a*
*French 1b*
French 7, [8]
Italian 4
Rom. Phil. [7]
Philosophy 9, 16
History 6, [7], $12^1$, $12^2$
Economics [$7^1$], $7^2$, $12^1$, [$12^2$]
*Mathematics F*
Mathematics 14
Engineering *2c*, *3c*, *3d*, *5a*, *5c*
Botany $4^2$
Geology 21
Mineralogy 12

**X. (Tu. Th. S. at 12.)**

Semitic 5, [14], 15
Greek [10]
Latin 2, 10
Class. Phil. 24
*English A*
English [16], $27^1$
Philosophy 3
History 13, [14]
Economics 10, [11]
Mathematics 10

**X. (continued).**

Engineering *8a*, *12c*, *18a*, 22
Physics 3
Chemistry 8
Geology $10^1$, $11^2$
Military Science $1^1$, $2^2$

**XIV. (Tu. Th. S. at 1.30.)**

Sanskrit 4
Greek 7
Latin 7, 9
English 22
German 5
*Italian 1*
Economics 3
*Mathematics $D^1$, $E^2$*
*Engineering 4a*
Engineering *10a*, *10b*, *13b*, *13d*, *14a*

**XI. (Tu. Th. S. at 2.30.)**

Semitic $16^1$
Sanskrit 5
Greek 3
Latin 3
English 12
*German E, F*
German *G*
French 5
Rom. Phil. $2^2$, $5^1$
Government [$9^1$], 10, $16^1$
Economics $6^1$, $8^2$
Architecture *4a*, *4b*
*Music 1*
Music 6
*Chemistry B*
Botany 3

**XII. (Tu. Th. S. at 3.30.)**

Semitic [2]
English 6
*German A, B*
*French A*, 3
Music 3, [7]

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## Monday, Wednesday, and Friday.

| 9. | | 10. | |
|---|---|---|---|
| Semitic 3. *W. S* 2d h.y. | S. 9. | Semitic 3. *M. W.* 1st h.y. | S. 9. |
| Semitic 5. *M. F.* | S. 9. | II. Latin *C.* | S. 29. |
| III. Latin *C.* | S. 13. | IV. Latin *C.* | S. 25. |
| Class. Phil. 22. 1st h.y. | S. 14. | Latin 1. | S. 18. |
| Class. Phil. 40. 2d h.y. | S. 14. | Latin 6. | S. 13. |
| English 1. | S. 5. | Ia. English *A. M. W.* | S. 35. |
| I. French *A. M. F.* | S. 25. | Ib. " " " " | U. Dane. |
| II. French 1*b*. | S. 1. | Ic. " " " " | S. 32. |
| French 6. | S. 35. | Id. " " " " | U. 4. |
| Hist. 1. | F. M. | English *BC. F.* | S. 35. |
| Hist. 18. | S. 29. | English 2. | H. 6. |
| Economics I. | U. Mass. | I. English 10. *M. F.* | Holden. |
| I. Arch. 3*a*. | Arch. Bldg. | English 11. | S. 5. |
| Arch. 36. | Arch. Bldg. | English 29. *F.* | S. 1. |
| Math. 11. | J. 22. | I. German *A.* | U. 19. |
| Engineering 6*a*. 2d h.y. | L. S. S.7. | II. German *A.* | U. 17. |
| Engineering 12*a*. 1st h.y. | Eng. Lab. | German *B.* | S. 6. |
| I. Physics *C.* 9–11. | J. 41. | I. French 2c. | L. Dane. |
| Physics 6. *M. F.* 1st h.y. | J. 3. | II. " | U. Dane. |
| Chem. 5. | B. 12. | French 11. *M. W.* | S. 23. |
| Geology 8. *W. F.* (occ. *M.*) | M. Z. | Comp. Lit. 2. | S. 17. |
| | | Hist. 9. | H. 5. |
| | | Math. 4. | S. 24. |
| | | Math. 7*b*. | U. 24. |
| | | Math. 8. | S. 20. |
| | | Zoölogy 4. 1st h.y. (5, 2d h.y.) | U. M. |
| | | Geol. 2 (1, 2d h.y.). | M. Z. |
| | | Geology 3. *W. F.* | M. Z. |
| | | Geology 14. *W. F.* (occ. *M.*) | M. Z. |
| | | Mineralogy 2. | U. M. |

## Tuesday, Thursday, and Saturday.

| | | | |
|---|---|---|---|
| Greek *A.* | S. 25. | Semitic 6. *S.* | S. 5. |
| Greek 8. | S. 29. | Greek 2. | H. 1.. |
| Latin *B.* | S. 18. | Greek 6. | S. 26. |
| I. Latin *D.* | S. 14. | Class. Phil. 23. | S. 29. |
| Class. Phil. 21. | H. 3. | Va. English *A. Tu. Th.* | S. 35. |
| IV*a*. English *A. Tu. Th.* | S. 35. | Vb. " " " " | U. 4. |
| IV*b*. " " " " | U. E. R. | Vc. " " " " | U. Dane. |
| IVc. " " " " | U. Dane. | Vd. " " " " | H. 6. |
| IV*d*. " " " " | H. 6. | I. English *C. Tu. Th.* | H. 6. |
| VII. German *A.* | U. 17. | English 28. | S. 5. |
| VIII. " " | H. 5. | VI. German *A.* | U. 17. |
| I. German *C.* | S. 6. | III. German 1*a*. *Th. S.* | S. 26. |
| II. " " | S. 8. | German 3. | S. 6. |
| German 1c. | S. 32. | German 10. *S.* | S. 8. |
| German 12. 1st h.y. | S. A. | I. French 1*a*. *Tu. Th.* | S. 23. |
| Italian 2. | S. 17. | II. French 1*a*. *Tu. Th.* | S. 13. |
| Rom. Phil. 4. *Tu. Th.* | S. 16. | III. French 1*a*. *Tu. Th.* | S. A. |
| Hist. 5. *Tu. Th.* | Div. Lib. | French 1*a* (all sections). *S.* | S. 35. |
| Hist. 16. 2d h.y. | U. 20. | III. French 2c. | U. 16. |
| Phil. 6. *Tu.* | D. L. 3. | French 9. | S. 19. |
| Phil. 13. *Th. S.* | D. L. 3. | Rom. Phil. 3. *Tu. Th.* | S. 16. |
| Gov. 1. 1st h.y. | U. Mass. | Comp. Lit. 1. | S. 17. |
| Gov. 6. 1st h.y. | U. 20. | Philos. 5. | L. Dane. |
| Gov. 7. 2d h.y. | U. Mass. | Gov. 4. | H. 5. |
| Econ. 4. 2d h.y. | U. 16. | Economics 9. | U. E. R. |
| Econ. 14. *Tu. Th.* 1st h.y. | U. 16. | Math. 17. *Tu. Th.* | S. 20. |
| Fine Arts 3. | Sanders Theatre. | Physics 1. (Lect.) *Tu. S.* | J. 1. |
| II. Arch. 3*a*. | Arch. Bldg. | Physics 4. (Lect.) *Tu. Th.* | J. |
| Math. 12. | S. 20. | Botany 1. 2d h.y. *Tu. Th.* (*S.*) | U. M. |
| III. Physics *C.* 9–11. | J. 41. | Zoölogy 1. (Lect.) 1st h.y. | U. M. |
| Zoölogy 3. (Lect.) | U. M. | Geology 13. *Tu. Th.* | Z. M. |
| | | Hygiene 1. 2d h.y. | L. S. S. |

Abbreviations: – B. Boylston Hall. D. Divinity Hall. D.L. Divinity Library. F.M. Fogg Museum. H. Harvard Hall. M.Z. Museum of Comparative Zoology. P.M. Peabody Museum. S. Sever Hall. U. Univer-

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## Monday, Wednesday, and Friday.

| 11. | | 12. | |
|---|---|---|---|
| Semitic 1. | S. A. and D. L. 2. | Greek *F.* | S. 29. |
| Greek 1. | S. 26. | Class. Phil. 31. 2d h.y. | S. 13. |
| Latin *A.* | S. 29. | IIIa. English *A. M. W.* | S. 35. |
| I. Latin *C.* | S. 18. | IIIb. " " " " | H. 6. |
| II. Latin *D.* | S. 13. | IIIc. " " " " | S. 32. |
| Latin 8. | S. 14. | IIId. " " " " | U. 4. |
| IIa. English *A. M. W.* | S. 35. | II. English 10. *M. F.* | Holden. |
| IIb. " " " " | H. 6. | English 5. | S. 1. |
| IIc. " " " " | S. 32. | V. German *A.* | S. 5, |
| IId. " " " " | U. 4. | III. German *A.* | U. 17. |
| English 3. 2d h.y. | H. 5. | II. German 1a. *M. F.* | S. 2. |
| English 15. *F.* | S. 5. | III. German *C.* | S. 5. |
| English 23. *W.* | S. 1. | German 2. | S. 6. |
| III. German *A.* | U. 17. | German 13. | S. 4. |
| IV. " " | U. 19. | Phil. 2a. | U. Dane. |
| German 1b. | S. 6. | Hist. 2. | H. 1. |
| German 16. 1st h.y. | S. 4. | Gov. 8. *F.* | U. 23. |
| II. French 2a. *M. W.* | S. 19. | Hist. 11. | H. 5. |
| IV. French 2c. | U. Dane. | Arch. 1a. *M. F.* | Arch. Bldg. |
| Spanish 2. | S. 17. | Math. 6. | U. 24. |
| Spanish 3. | S. 16. | Engineer. 7a. | Eng. Lab. |
| Phil. 7. | D. L. 3. | Physics *B. W.* | J. 1. |
| Phil. 15. | U. 16. | Chem. 1. (Lect.) *M. F.* | B. 11. |
| Phil. 17. *M. W.* | S. 8. | Chem. 6. *W. F.* | B. 9. |
| Hist. 10. | U. Mass. | Geology 4. (Lect.) | F. M. |
| Math. 2. | S. 24. | Geology 7. 2d h.y. | M. Z. |
| Math. 5. | S. 20. | Hygiene 2. *M.* | L. S. S. |
| Math. 21. *W. F.* (*W.* 2d h.y.) | U. 24. | | |
| II. Physics *C.* 11-1. | J. 41. | | |
| Chem. 3. | B. 9. | | |

## Tuesday, Thursday, and Saturday.

| | | | |
|---|---|---|---|
| Semitic 12. *Tu. Th.* | S. 5. | Semitic 5. *Tu. Th.* | S. 9. |
| Greek *C.* | S. 30. | Semitic 15. *S.* | S. 9. |
| Latin 11. | S. 14. | Latin 2. | S. 18. |
| VIa. English *A. Tu. Th.* | S. 35. | Latin 10. | H. 1. |
| VIb. " " " " | U. E. R. | Class. Phil. 24, *Tu. Th.* | S. 29. |
| VIc. " " " " | U. Dane. | I. English *B. Tu.* | S. 24. |
| VId. " " " " | H. 6. | I. English *B. Th.* | G. 18. |
| III. German *C.* | S. 17. | II. English *C. Tu. Th.* | H. 6. |
| German 1a (both sections). *S.* | H. 5. | English 27. | S. 1. |
| I. German 1a. *Tu. Th.* | S. 32. | II. German 1b. | U. 17. |
| II. " " " " | S. 1. | Philos. 3. | U. 16. |
| I. German 1b. | U. 17. | Hist. 13. | F. M. |
| III. French *A. Th. S.* | S. A, | Economics 10. | U. 4. |
| I. French 1b. | S. 11. | Math. 10. *Tu. S.* | S. 20. |
| I. French 5. *Tu. Th.* | S. 19. | Also *Th.* | J. 22. |
| French 7. | S. 23. | Engineer. 8a. *Tu. Th.* 2d h.y. | Eng. Lab. |
| Italian 4. | S. 33. | Engineer. 12c. *Tu. Th.* 2d h.y. | L. S. S. 6. |
| Philos. 9. | U. 16. | Engineer. 18a. 1st n.y. | Eng. Lab. |
| Philos. 16. *Tu. Th.* | S. 8. | Physics 3. *Tu.* | J. 6. |
| Hist. 6. *Tu. Th.* | S. 6. | Chem. 8. *Tu. Th.* 1st h.y. | B. 12. |
| Hist. 12. 1st h.y. | U. Mass. | Geol. 10. | M. Z. |
| Economics 12. 2d h.y. | U. 4. | Military Science. | H. 6. |
| Math. *F.* | S. 24 & U. 19. | | |
| Math. 14. | S. 20. | | |
| Engineer. 2c. | L. S. S. | | |
| Engineer. 3a. 11-1. | L. S. S. | | |
| Engineer. 3c. *Tu.* | Eng. Lab. | | |
| Engineer. 3d. *Tu. Th.* | Eng. Lab. | | |
| Engineer. 5a (5c, 2d h.y.) | L. S. S. 6. | | |
| IV. Physics *C.* 11-1. | J. 41. | | |
| Botany 4. 2d h.y. | U. M. | | |
| Petrography 12. *Tu. Th.* | M. Z. | | |

Hall. J. Jefferson Physical Laboratory. L.S.S. Lawrence Scientific School Building. Mass. Massachusetts
sity Hall. U.M. University Museum. U. E. R. University Examination Room. — See page 134.

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## Monday, Wednesday, and Friday.

| 1.30. | | 2.30. | |
|---|---|---|---|
| Greek *E*. *W*. (also *F*. 1st h.y.). | S. 29. | Semitic 16 . *M*. *W*. 1st h.y. | D. L. 2. |
| Latin *E*. *M*. (also *F*. 2d h.y.). | S. 18. | Sanskrit 1. | S. 15. |
| English 3. 1st h.y. | S. 5. | Greek *F*. *W*. (also *F*. 2d h.y.). | S. 29. |
| German 4. | H. 5. | V. Latin *C*. | S. 18. |
| II. French *A*. *M*. *F*. | S. A. | Latin *F*. *M*. (also *F*. 1st h.y.). | S. 25. |
| I. French 2*a*. *M*. *W*. | S. 24. | Latin 13. 2d h.y. | S. 14. |
| French 2*a* (I. & II.). *F*. | S. 11. | Class. Philol. 41. 1st h.y. | S. 14. |
| I. French 4. *M*. *F*. | S. 19. | English 14. *W*. | S. 1. |
| II. French 4. *M*. *F*. | S. 23. | English 17. *M*. | S. 1. |
| I. Spanish 1. | S. 14. | German 6. | S. 32. |
| II. Spanish 1. | S. 17. | II. French 1c. *M*. *W*. | S. 23. |
| Phil. 10. 1st h.y. | U. 16. | Philos. 1. | U. Mass. |
| Hist. 8. | U. 20. | Philos. 12. | U. 23. |
| Gov. 13. | U. 17. | Hist. 15. 1st h.y. | H. 6. |
| Econ. 5. | U. 4. | Economics 2. | U. 16. |
| Econ. 13. 2d h.y. | U. 23. | Fine Arts 1. | S. 37 & F. M. |
| Engineer. 2*a*. (2*b*. 2d h.y.) | L. S. S. | Music 2. *M*. *F*. | L. Dane. |
| Engineer. 3*a*. *W*. | L. S. S. | Math. *A*. 14t h.y. | S. 8 & 24. |
| Engineer. 14*a*. *M*. *W*. 14*b*. *F*. | L. S. S. | Math. *B*. 2d h.y. | S. 8 & 24. |
| Engineer. 16*e*. *M*. *F*. | L. S. S. | Math. *C*. | U. 19. |
| Zoölogy 7. 1st hy. | U. M. | Math. 3. | S. 20. |
| | | Chem. 9 (10, 2d h.y.) | B. 12. |
| | | Botany 2. 1st h.y. | U. M. |
| | | Zoölogy 2. (Lect.) 2d h.y. | U. M. |
| | | Geology 27. 2d h.y. | M. Z. |

## Tuesday, Thursday, and Saturday.

| | | | |
|---|---|---|---|
| Sanskrit 4. *Tu*. *Th*. | S. 15. | Semitic 16. *Tu*. *Th*. 1st h.y. | D. L. 2. |
| Greek 7. *Tu*. | S. 26. | Greek 3. *Tu*. | S. 25. |
| Latin 7. *Th*. | S. 14. | Latin 3. *Th*. | S. 18. |
| II. English *B*. *Tu*. | U. 16. | III. English *B*. *Tu*. | S. 24. |
| II. English *B*. *Th*. | G. 18. | III. English *B*. *Th*. | G. 18. |
| III. English *C*. *Tu*. *Th*. | F. M. | English 12. *Tu*. *Th*. | S. 11. |
| English 22. | S. 11. | German *E*. *Th*. | S. 5. |
| German 5. | S. 6. | German *F*. *Th*. | H. 6. |
| I. French 3. *Tu*. *Th*. | S. 19. | German *G*. *Th*. | S. 32. |
| I. Italian 1. | S. 17. | II. French 3. *Tu*. *Th*. | S. 23. |
| II. Italian 1. | S. 18. | II. French 5. *Tu*. *Th*. | S. 19. |
| Economics 3. *Tu*. *Th*. | U. E. R. | Rom. Phil. 2. *Tu*. *Th*. 2d h.y. | S. 16. |
| I. Math. *D*. 1st h.y. | S. 24. | Rom. Phil. 5. *Tu*. *Th*. 1st h.y. | S. 16. |
| II. Math. *D*. 1st h.y. | U. 19. | Gov. 10. *Tu*. *Th*. | U. 23. |
| Math. *E*. 2d h.y. | S. 24 & U. 19. | Gov. 16. *Tu*. *Th*. 1st h.y. | U. 17. |
| Engineer. 16c. *Tu*. *Th*. | L. S. S. | Economics 6. 1st h.y. | S. 35. |
| | | Economics 8. 2d h.y. *Tu*. *Th*. | S. 35. |
| | | Music 1. *Tu*. *Th*. | L. Dane |
| | | Music 6. *Tu*. *Th*. | 23 Hawthorn St. |
| | | Chem. *B*. *Tu*. *Th*. | B. 9. |
| | | Botany 3. *Tu*. *Th*. | U. M. |

*M*., *Tu*., *W*., *Th*., *F*., and *S*. stand for the days of the week.

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## Monday, Wednesday, and Friday.

### 3.30.

Semitic 8. *M. W.* S. 9.
Sanskrit 2. S. 15.
English 9. *M.* F. M.
English 30. H. 6.
German 8. S. 4.
German 9. 1st h.y. S. 32.
German 11. 2d h.y. S. 32.
I. French 1c. *M. W.* S. 23.
French 1c. (all sections). *F.* S. 23.
III. French 4. *M. F.* S. 19.
Philos. 18. *M.* S. 8.
Hist. 5. U. 17.
Fine Arts 3. S. 37 & F. M.
Music 5. *M. F.* L. Dane.
Math. 19. S. 20.
Chem. 4. B. 9.
Zoölogy 7. 1st h.y. U. M.
Geology 15. *M.* M. Z.
Archæology 1. P. M.

Semitic 13. *F.* 2.30–4.30. D. L. 2.
Class. Phil. 37. 18 Concord Ave.
German 15. 1st h.y. S. 4.
French 20*a*. *M. W.* 5. 12 Holyoke Pl.
Philos. 20*g*. *W.* 4.30. S. 8.
Economics 20. *M.* 4.30. U. 23.
Engineer. 3*a*. 1.30–4.30. L. S. S.
Engineer. 4*c*. *M. F.* 1.30–4.30. 1st h.y. L. S. S.
Engineer. 4*d*. *M. F.* 1.30–4.30. 2d h.y. L. S. S.
Engineer. 14*b*. *M. F.* 1.30–4.30. Eng. Lab.
Engineer. 13*a*. *M.* 1.30–4.30. Eng. Lab.
Geology 6. *W. F.* 11–1. U. M.

## Tuesday, Thursday, and Saturday.

IV. English *C*. *Tu. Th.* S. 5.
German *B*. *Tu. Th.* S. 6.
French *A* (all sections). *Tu.* S. 11.
III. French 3. *Tu. Th.* S. 23.
IV. French 3. *Tu. Th.* S. 19.
Music 3. *Tu.* L. Dane.
Zoölogy 6. *Tu. Th.* U. M.

Class. Phil. 25. *Th.* 7.30–8.30. (7.30–9.30, 2d h.y.) H. 3.
Class. Sem. *Tu. Th.* 2.30–4. H. 3.
English 6. *Th.* 3.30–5.30. H. 1.
Philos. 20*c*. *Tu.* 7.30–9.30. 103 Irving St.
Philos. 20*d*. *Th.* 4–6. S. 17.
Philos. 20*e*. *Tu.* 7.30–9.30. Div. Lib.
Arch. 2*a*. 10–12. Arch. Bldg.
Arch. 2*b*. *M.* 2.30–4.30. Arch. Bldg.
Arch. 4*a*. 2.30–4.30. Arch. Bldg.
Engineer. 4*a*. *Tu. Th* 1.30–4.30. L. S. S. 1.
Engineer. 13*b*. *Tu. Th.* 1.30–4.30. Eng. Lab.
Engineer. 14*a*. *Tu. Th.* 1.30–4.30. Eng. Lab.
Engineer. 13*d*. *Th.* 1.30–4.30. " "
Physics 5. *Th.* 5. J.

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## LECTURES, EVENING READINGS, CONCERTS, ETC.

In addition to the courses of instruction described in the preceding pages, many lectures and readings are given each year under the auspices of the University, most of them open to the public. Last year were given: —

Twelve lectures by Professor J. Estlin Carpenter, of Oxford, England, on The History of Ideas of a Future Life. Subjects as follows: —

1. Origins of the Belief.
2. The Dead in relation to the Living: The Cultus of the Dead (1).
3. The Cultus of the Dead (2).
4. Continuance and Retribution.
5. India: (1) The Moral Order: Transmigration.
6. India: (2) Brahmanism and Buddhism.
7. Egypt in the Fourteenth Century, B.C.
8. Persia: the Future Life and the Theodicy.
9. Phases of Thought in Israel.
10. Greece: (1) Animism transformed by Religion.
11. Greece and Rome: the influences of Philosophy.
12. The Psychological roots of the Belief.

Four lectures by Mr. Humphry Ward, of London, on English Art in the Eighteenth Century. Subjects as follows: —

1. Introductory.
2. Sir Joshua Reynolds.
3. Gainsborough.
4. Romney.

Two lectures by Professor W. M. Ramsay, of Aberdeen, Scotland. Subjects as follows: —

1. The style and character of the Acts of the Apostles as a historical document.
2. St. Paul as an educative force in society.

Six lectures by Professor Norton, on Dante. Subjects as follows: —

1. The Function of Poetry. The Thirteenth Century in Italy.
2. The New Life.
3. The Prose works of Dante and their relation to the Divine Comedy.
4. The Divine Comedy: Hell.
5. The Divine Comedy: Purgatory.
6. The Divine Comedy: Heaven.

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Two lectures by Professor J. RENDEL HARRIS, Lecturer on Paleography in the University of Cambridge. Subjects as follows: —

1. Methods of research in Eastern Libraries.
2. The new Syriac Gospels from Mount Sinai.

Five lectures by Dr. G. H. PARKER on the Finer Anatomy of the Central Nervous System in Mammals. Subjects as follows: —

1. Introduction.
2. Spinal Chord.
3. Medulla and Cerebellum.
4. Pons, Mesencephalon, and Diencephalon.
5. Cerebrum.

Four lectures, in English, by Professor DE SUMICHRAST, on the French Psychological Drama in the Seventeenth Century. Subjects as follows: —

1. Corneille: *Le Cid.*
2. " : *Polyeucte.*
3. Racine: *Phèdre.*
4. " : *Athalie.*

Fifteen lectures on English Literature by Mr. COPELAND. Among the subjects treated were "Tennyson and Browning;" "The Town of Concord, in its present aspect, and in some of its literary and historical associations;" and "Matthew Arnold, Walter Pater, and Mr. Henry James."

A series of practical talks on personal hygiene, emergencies, and special health topics, by Dr. G. W. FITZ.

Dudleian lecture. Revealed Religion. Rev. Dr. S. J. MCPHERSON, of Chicago.

Lecture on the Church of the English-speaking race. Rev. J. O. S. HUNTINGTON, O.H.C.

Lecture on the Elizabethan method of Producing Plays. Mr. BAKER.

Lecture on Christian reunion. Rev. HENRY LUNN, M.D., of London.

Lecture on the War between Japan and China (illustrated by lantern slides). Professor HOLLIS.

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The fourteenth series of Orchestral Concerts, ten in number, was given by the Boston Symphony Orchestra, in Sanders Theatre; and the fifteenth series of these concerts, ten in number, will be given in the same place.

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Ben Jonson's "Epicoene or the Silent Woman" was presented, in Sanders Theatre, under the direction of the Department of English, by pupils of the American Academy of the Dramatic Arts.

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At the meetings of the seminaries and conferences the following subjects were presented:

At the Seminary of Classical Philology: —

On certain features of Greek sacrifices. Mr. H. E. Burton.
Asyndeton in Terence. Mr. W. K. Denison.
On "Homo Homonis" in Plautus." Mr. A. W. Hodgman.
On Solon's legislation respecting debts and coins. Mr. J. R. Taylor.
The Latin verbs in -ito. Mr. G. D. Chase.
Nature theories of the Greek gods in the fifth century, B.C. Mr. A. S. Cooley.
The agent construction with passive verbs in Greek. Mr. J. B. Browder.

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At the Sanskrit Conference: —

General view of the field of Indic philology. Professor Lanman.
The Vedic literature. Professor Lanman.
The Rigveda, with illustrative extracts. Professor Lanman.
Some account of the sacred books of the Buddhists. Mr. I. Babbitt.
The divisions of post-Vedic literature. Professor Lanman.

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At the Modern Language Conference: —

Elizabeth Elstob, the Anglo-Saxon scholar. Mr. W. H. Schofield.
Recently discovered old Saxon fragments. Professor von Jagemann.
Spelling reform and the French Academy. Dr. Marcou.
The mediaeval vice of Accidie. Professor Marsh.

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At the Seminary of American History and Institutions: —

The claims of the French and English to the interior of the Continent, in their geographic relation. Mr. Justin Winsor.
Sources and methods in Colonial history. Professor Channing.
Sources and methods in United States history. Professor Hart.
Sources and methods in American law. Mr. E. L. Conant.
The censorship of the press in Massachusetts. Mr. C. A. Duniway.
The Scandinavians in the Northwest. Mr. K. C. Babcock.
Party struggles over the Pennsylvania constitution. Mr. S. B. Harding.
The meeting of the American Historical Association. Messrs. S. B. Harding, A. M. Mowry, and G. P. Winship.
The Dorr rebellion. Mr. A. M. Mowry.
L'Ecole des Chartes à Paris. Monsieur D. Grand.
European archives. Monsieur D. Grand.
Rhode Island tariffs. Mr. A. M. Mowry.

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The opposition to the Federal Constitution in Massachusetts. Mr. S. B. HARDING.

Some points in the history of Massachusetts during the eighteenth century. Mr. C. A. DUNIWAY.

Massachusetts' financial history, 1780–1790. Mr. W. NICHOLSON.

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At the Seminary of Economics: —

Wilhelm Roscher. Professor ASHLEY.

The factory operatives in the United States. Mr. E. H. VICKERS.

The classification of the Political Sciences. Professor ASHLEY.

The English Budget of 1894. Mr. F. R. CLOW.

The antecedents of J. S. Mill's "Principles." Messrs. ALDRICH, ESTABROOK, and HARPER.

The theory of "House-Industry." Mr. O. M. W. SPRAGUE.

Definition and history of statistics. Mr. H. H. COOK.

The distribution of mediaeval fairs. Mr. J. SULLIVAN.

The United States and its mineral lands. Mr. G. O. VIRTUE.

Child labor in the early factories. Mr. HISA.

The economic condition of the South. Dr. E. VON HALLE.

The Chicago strike. Professor ASHLEY.

Legislation on arbitration in the United States. Rev. T. P. BERLE.

The taxation of sugar in Germany. Mr. G. E. CHIPMAN.

State railroads in New South Wales. Mr. H. R. MEYER.

Economic teaching in Germany. Rev. W. L. BEVAN.

English industrial organization in the 17th and 18th centuries. Mr. O. M. W. SPRAGUE.

Mediaeval fairs and the law merchant. Mr. J. SULLIVAN.

The antecedents of Mill's "Doctrine of Value." Mr. E. H. HARPER.

The financing of internal improvements in the Northwest. Mr. G. S. CALLENDER.

The antecedents of Mill's chapters on Property and Land-Tenure. Mr. H. K. ESTABROOK.

Tehnical education in England. Mr. G. W. COX.

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At the Pedagogical Seminary: —

What revision of the conference report on Geography (to the Committee of Ten) is desirable? Mr. I. W. HORNE.

Unprepared class exercises. Mr. A. L. GOODRICH.

Educational values as influenced by time allotment. Mr. W. R. BUTLER.

Special and general educational values of History. Mr. R. G. HULING.

Art and popular education. Mr. G. J. SMITH.

The education of the feeble-minded. Mr. JOHN M. PIERCE.

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The education of defectives, more particularly of the blind. Mr. E. E. GRIFFITH.

The correlation of Geography with other subjects. Mr. I. W. HORNE.

Should the extent to which a subject is pursued or the method of teaching it vary with the pupil's probable destination? Mr. W. R. BUTLER.

History correlated with other subjects. Mr. R. G. HULING.

The organization of a City School System. Mr. A. H. KELLEY.

A High School course in English in correlation with other subjects. Mr. G. J. SMITH.

Co-education. Mr. E. E. GRIFFITH.

Physical training in the secondary schools. Mr. JOHN M. PIERCE.

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At the Geological Conference:—

Geological problems of Warren County, Iowa. Mr. J. L. TILTON.

Drift of the first and last glacial epochs near Zurich, Switzerland. Professor DAVIS.

The Missouri Coal Measures. Mr. C. F. MARBUT.

A reconnaissance of the Blackstone valley. Mr. J. B. WOODWORTH.

Notes on the geography of Mother Brook. Mr. H. H. KEELER.

Some jurassic reptiles from the lithographic slates. Dr. C. R. EASTMAN.

Notes on the rivers of England. Professor DAVIS.

The Boston Basin near Hyde Park. Mr. J. E. WOODMAN.

Processes of consolidation of coral rock. Professor WOLFF.

Geology of Henry County, Missouri. Mr. C. F. MARBUT.

The cretaceous of Colorado. Mr. F. P. GULLIVER.

The copper deposits of Ducktown, Tennessee. Mr. R. E. DODGE.

Observations on fjords of the Maine coast. Mr. G. C. CURTIS.

On a new discovery of flying reptiles from the Lias. Dr. C. R. EASTMAN.

The origin of the Arkansas novaculites. Mr. L. S. GRISWOLD.

The southwestern part of the Boston basin. Mr. J. L. TILTON.

Geology of Lafayette County, Missouri. Mr. F. C. MARBUT.

Tepee Buttes (illustrated by lantern slides). Mr. F. P. GULLIVER.

The western boundary of the Narragansett Basin. Mr. F. C. SCHRADER.

Geology of Hyde Park and vicinity. Mr. J. E. WOODMAN.

The northern boundary of the Boston Basin. Mr. F. M. LOWE.

The geography of Charles River. Mr. H. H. KEELER.

Notes on the folios of the U. S. Geological Survey. Mr. R. E. DODGE.

Observations upon dunes. Mr. H. I. RICHMOND.

Some geological maps of Japan. Mr. J. E. WOODMAN.

On certain attitudes of glacial boulders. Mr. J. B. WOODWORTH.

Some relations among the rocks of Mt. Ascutney, Vermont. Mr. R. A. DALY.

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On the geology of the Blue Hills. Mr. G. W. Tower.

Ely copper mine. Mr. H. L. Smyth.

Notice of some late photomicrographs of ice crystals by Dr. Nordenskiold. Mr. C. Abbe.

Rattlesnake Dome, Colorado (with illustrations). Mr. F. P. Gulliver.

The physical geography of Warren County, Iowa. Mr. J. L. Tilton.

Discussion of Hahn's "Criteria of Elevation and Depression of Shore Lines." Mr. F. P. Gulliver.

Geology of Sequatchee valley, Tennessee. Mr. R. E. Dodge.

A study of the geology of Yesso. Mr. J. E. Woodman.

Certain geological effects of frost action. Professor Shaler.

A study of fossilization. Mr. F. M. Lowe.

The geographical history of Short Mt., Tennessee, and vicinity. Mr. R. E. Dodge.

Shore phenomena between Cohasset and Plymouth, Mass. Mr. H. I. Richmond.

Reports upon work in the Nashua Basin. Messrs. J. L. Tilton, J. E. Woodman and F. M. Lowe.

A suggested classification of plateaus. Mr. C. Abbe, Jr.

The following publications were reviewed: —

Baumhauer's "Resultaten der Aetzmethode" (with exhibition of plates.) W. K. Brooks's "The Origin of the oldest Fossils, and the Discovery of the Bottom of the Ocean." Sears' "Evidence of subsidence and elevation in Essex County in recent geological time." Dawkins's "The Probable Range of the Coal Measures in Southern England." Dana's "Manual of Geology" (4th ed.). Michel Lévy's "Determination des Feldspaths tricliniques en plaque mince" (with illustrations). Bayley's "The Eruptive and Sedimentary Rocks on Pigeon Point, Minnesota, and their Contact Phenomena." Penck's "Morphologie der Erdoberfläche." Keyes's "Palaeontology of Missouri." King's "Destructive Effects of Winds on Sandy Soils." Blow's "The Geology and Ore-Deposits of Iron Hill, Leadville, Colorado." Spurr's "The Mesabi Iron-Bearing Rocks." Hill's "Notes on the Geology of the Island of Cuba." Powell's national geographic monograph on "Physiographic Forms."

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Subjects discussed in the Oral Debates of English 6: —

1. *Resolved*, That the injunctions issued by the Federal judges against the railway strikers were unjustifiable.

2. *Resolved*, That the present income tax ought to be continued.

3. *Resolved*, That the railways ought to be owned and operated by the Federal Government.

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4. *Resolved*, That it is to the interest of civilization that the Japanese be victorious over the Chinese.

5. *Resolved*, That the United States ought to construct and operate the Nicaragua Canal.

6. *Resolved*, That sugar ought immediately to be placed on the free list.

7. *Resolved*, That free institutions in the United States are now in danger.

8. *Resolved*, That Cabinet ministers should have seats, and the right to speak, in Congress.

9. *Resolved*, That the principles of the "A. P. A." deserve the support of American citizens.

10. *Resolved*, That a single tax on land would be better than the present system of taxation.

11. *Resolved*, That all disputes between interstate railways and their employees should be subject to a decision, without appeal, by a National Board of Arbitration.

12. *Resolved*, That Secretary Carlisle's plan for retiring the greenbacks ought to be immediately enacted by Congress.

13. *Resolved*, That Hawaii should be speedily annexed to the United States.

14. *Resolved*, That each State has the right to prohibit the sale of oleomargarine.

15. *Resolved*, That if it were possible a reasonable property qualification for the exercise of the municipal franchise in the United States would be desirable.

16. *Resolved*, That the best solution of the liquor traffic is to be obtained through the elimination of private profits.

17. *Resolved*, That the United States ought to construct a large system of irrigation works.

18. *Resolved*, That United States senators ought to be chosen by popular vote.

19. *Resolved*, That General Booth's employment system, as outlined in "Darkest England," ought to be applied to New York City.

20. *Resolved*, That foreign-built ships ought to be admitted to an American register, without the payment of duty.

21. *Resolved*, That it will be the duty of the next Congress to authorize the construction of additional new ships for the navy.

22. *Resolved*, That women should receive the suffrage on the same terms as men.

23. *Resolved*, That intercollegiate foot-ball promotes the best interests of the colleges.

24. *Resolved*, That any further coinage of silver by the United States is undesirable.

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25. *Resolved*, That Canada ought to be soon annexed to the United States.

26. *Resolved*, That the plans of the Subway Commission ought to be carried out.

27. *Resolved*, That, if it were possible, a reasonable property qualification for the exercise of the municipal franchise is desirable.

28. *Resolved*, That all trusts and combinations to monopolize an industry should be prohibited.

29. *Resolved*, That some system ought to be adopted by which the degree of A.B. may be obtained from Harvard College in three years.

30. *Resolved*, That co-education at Harvard is advisable.

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Subjects discussed at the meetings of the Harvard Union: —

1. *Resolved*, That the best interests of the United States demand the election this Fall of a Republican House of Representatives.

2. *Resolved*, That the American Protective Association should receive the approval of patriotic Americans.

3. *Resolved*, That the suffrage in municipal affairs should be extended to women.

4. *Resolved*, That it is for the benefit of civilization that Japan wins in the present war.

5. *Resolved*, That the plan of the late Secretary Bolles for the administration of Harvard University is preferable to the present system.

6. *Resolved*, That municipal ownership and management of street railways is desirable.

7. *Resolved*, That Congress should be empowered by constitutional amendment to enact a national marriage and divorce law.

8. *Resolved*, That labor organizations are prejudical to the best interests of workingmen.

9. *Resolved*, That Japan should be given equal treaty rights with other nations.

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Subjects discussed at the meetings of the Wendell Phillips Club: —

1. *Resolved*, That the income tax is justifiable.

2. *Resolved*, That universal male suffrage has proved absurd in theory and ineffectual in practice.

3. *Resolved*, That the free coinage of silver is desirable.

4. *Resolved*, That the foreign policy of the present administration is weak, and contrary to the best interests of the United States.

5. *Resolved*, That a high protective tariff raises actual wages.

6. *Resolved*, That the Norwegian System should be adopted in Massachusetts.

7. *Resolved*, That sugar should be placed on the free list.

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8. *Resolved*, That it would be advisable for the President to call an extra session of Congress.

9. *Resolved*, That the income tax is constitutional.

10. *Resolved*, That the ethical drama has a general bad effect on public morals.

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Subjects discussed at the meetings of the Freshman Debating Club: —

1. *Resolved*, That the American Republic is degenerating.

2. *Resolved*, That the late business depression was due to Democratic incompetency.

3. *Resolved*, That a Representative in Congress should vote, on important questions, according to his own convictions, and not according to the wishes of his contituents.

4. *Resolved*, That a despotism is the best form of government for Russia.

5. *Resolved*, That independent politics is commendable.

6. *Resolved*, That Labor Unions are beneficial.

7. *Resolved*, That less than the whole number of a jury be competent to render a verdict in all cases.

8. *Resolved*, That the President's term be extended to six years, and that he be ineligible for re-election.

9. *Resolved*, That the railroads should be owned and operated by the government.

10. *Resolved*, That capital punishment is justifiable.

11. *Resolved*, That all bills passed by State legislatures should be submitted to popular vote.

12. *Resolved*, That intercollegiate foot-ball contests should be abolished.

13. *Resolved*, That cabinet ministers ought to have the right to participate in the debates of Congress.

14. *Resolved*, That the system of administration at Oxford is preferable to that at Harvard.

15. *Resolved*, That the United States should annex Newfoundland.

16. *Resolved*, That the Income Tax is justifiable.

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At the meetings of the various Societies and Clubs the following subjects were presented:

At the Classical Club: —

The study of ancient history at Harvard. Mr. C. P. PARKER.

Solomon's Judgment in Pompei. Professor MORGAN.

William Dwight Whitney: the life and character of a great scholar. Professor LANMAN.

A Latin Poet and his Greek Model. Professor MORRIS.

Aristophanes and the Old Comedy. Professor WHITE.

Translation of the "Birds" of Aristophanes. (2) Professor WHITE.

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At the Boylston Chemical Club: —

High explosives. Mr. H. E. Sawyer.
Measurement of high temperatures. Mr. Torrey.
The chemistry of tanning. Mr. G. W. Priest.
A certain dissiccating apparatus. Mr. H. G. Parker.
On calcium carbide. Mr. P. P. Sharples.
On argon. Mr. S. Bell.
Water-analysis. Mr. M. H. Ittner.
Certain unsaturated oximes. Dr. E. T. Allen.

At the Zoölogical Club: —

On some European zoölogical stations and museums. Dr. Alexander Agassiz.

At the Harvard Pedagogical Club: —

The ethical influences of the school. Mr. R. G. Huling.
Recent tendencies in secondary education. Professor Hanus.
Some effects of the enrichment of the grammar-school course of study. Mr. Dutton.
The correlation of studies: what is it? Mr. D. R. Krehbiel.
The importance of correlation. Mr. G. I. Clapp.
The correlation of history with other subjects in the fourth and fifth years of the course. Mr. W. H. Smith.
What is a High School? Hon. F. A. Hill.

At the Graduate Club: —

Some questionable features of modern Democracy. Professor Norton.
Charles Lee, the soldier of fortune. Dr. John Fiske.
The theology of evolution. Rev. Lyman Abbott, D.D.
People I have met. Colonel T. W. Higginson.

At the Harvard Total Abstinence League: —

The effects of alcohol. Professor James.
The duty of total abstinence and the popular fallacies concerning light drinks. Mr. William Lloyd Garrison.

At the Prohibition Club: —

The Norwegian System of liquor selling: what is it? Hon. John G. Woolley.

At the Botanical Club: —

Public museums of Natural History. Professor Goodale.

At the Harvard Folk-Lore Club: —

The study of Folk-Lore. Mr. W. W. Newell, Secretary of the American Folk-Lore Society.

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At the Civil Service Reform Club: —

Memorial address. George William Curtis. Mr. Wm. Potts.

At the Christian Association: —

The Chinese War in its reference to Christianity. Mr. C. L. Teung.

At the Harvard Catholic Club: —

The development of the sciences. Professor Shaler.

At the St. Paul's Society: —

Christo et Ecclesiae. Rt. Rev. H. C. Potter, D.D.

At the Harvard Religious Union: —

The mystery of evil. Dr. John Fiske.

Present aspects of liberal thought and life in England. Professor J. Estlin Carpenter.

The National Church of America. Rev. E. E. Hale.

The Devil. Dr. C. C. Everett.

Meister Eckhart. Professor Royce.

The essentials of Hindu religious life. Mr. V. R. Gandhi, of Bombay, Representative of the Jainist sect at the Parliament of Religions.

At the Christian Association and St. Paul's Society: —

An address on Foreign Missions. Mr. Louis Byrde, of Cambridge, England.

At the Harvard Natural History Society: —

The winking movements of the retinas in certain Crustaceans. Dr. G. H. Parker.

Observations on glacial action in Switzerland (illustrated by lantern slides). Mr. L. S. Griswold.

The physical geography of New England. Professor Davis.

The climate of New England. Mr. R. DeC. Ward.

The vegetation of New England. Professor Goodale.

The Reptiles and Batrachians (illustrated by lantern slides). Mr. Garman.

At the Engineering Society: —

Some thoughts on engineering education. The choice of a profession. Mr. Eckley B. Coxe, President of the American Society of Mechanical Engineers.

Roman aqueducts (illustrated by lantern slides). Mr. C. Herschel.

Proposed Hudson River bridge at New York. Mr. L. J. Johnson.

The exactness of electrical engineering. Professor Francis B. Crocker, of Columbia College.

Bridge erection (illustrated by the lantern). M. H. W. Hodge, of New York City.

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# PRIZES AWARDED BY THE FACULTY OF ARTS AND SCIENCES.

## THE BOWDOIN PRIZES.

Nine prizes, from the foundation of JAMES BOWDOIN, are offered by the Faculty of Arts and Sciences to students resident at the University.

I. Two prizes (*one hundred dollars each*) for the best dissertations on any of the subjects enumerated in II, III, and IV, or for the best translation of either of the passages proposed for translation into Latin or Greek in III (*b*), written by Graduates of any college who are resident at the University as students in the Graduate School, or by members of the Senior Class of 1895–96 in Harvard College.

II. Three prizes (not more than *one hundred dollars* nor less than *fifty dollars each*) for the best dissertations on any of the following subjects, written by students of more than one year's standing in any department of the University who have never received an academic degree: —

1. *The Augustinian and the Calvinistic Ideal of the Church.*

2. *The encroachments of the French Monarchy upon Feudalism in the later Middle Ages.*

3. *The philosophical and religious writings of George John Romanes.*

4. *The Functions of Feeling in Mental Life.*

5. *The definition of "Sociology."*

6. *The Austrian Economists.*

7. *The Monroe Doctrine.*

8. *Robert Louis Stevenson.*

9. *The theory of educational values in the report of the "Committee of Fifteen."*

III. (*a*) One prize (not more than *one hundred dollars* nor less than *fifty dollars*) for the best dissertation on any of the following subjects, written by students of more than one year's standing in any department of the University who have never received an academic degree: —

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1. *The profession of the orator at Athens in the fifth and fourth centuries* B.C.

2. *The Asian and Attic styles in Roman Oratory.*

3. *Party politics in Athens in the year 405* B.C.

4. *The political situation at Rome in the year of Cicero's Consulship.*

5. *The appearance to a stranger of an ancient Greek or Roman city as compared with that of a modern American one.*

6. *The educational methods satirized by Aristophanes in the Clouds.*

7. *A comparison of the De Officiis Ministrorum of St. Ambrose with the De Officiis of Cicero.*

(*b*) One prize (not more than *one hundred dollars* nor less than *fifty dollars*) for the best composition in Greek or Latin, written by students of more than one year's standing in any department of the University who have never received an academic degree, as follows: —

1. *A translation into Greek from Butler's Analogy of Religion, Part I, chap. II, from the words "Why the author of nature" to the end of the chapter.*

2. *An original essay in Latin of from 2000 to 2500 words on any subject chosen by the competitor.*

IV. Two prizes (not more than *one hundred dollars* nor less than *fifty dollars* each) for the best dissertations on any of the following subjects, written by students of more than one year's standing in any department of the University who have never received an academic degree: —

1. *On the means for securing good acoustic properties in large lecture-rooms.*

2. *On the discovery of Argon and Helium.*

3. *Recent synthetical work on the sugar group.*

4. *Phenomena of Polymorphism among the lower plants or animals.*

5. *Is the cell theory still tenable?*

6. *The relation between the rate of growth of the large cities of the world and their geographical position and geological environment.*

Dissertations offered by *Seniors of* 1895–96 must be deposited with the Recorder on or before Commencement, 1896. All other dissertations for these prizes must be deposited with the Recorder on or before the *first day of November*, 1896. On the title-page must be written an assumed name and a statement of the writer's standing, — *i. e.*, whether he is a

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graduate or an undergraduate; if an undergraduate, to what class he belongs and to what department of the University. Under cover with the dissertation must be sent a sealed letter containing the true name of the writer, and superscribed with his assumed name.

The dissertations must be written upon letter paper of good quality, of the quarto size, with a margin of not less than one inch at the top, at the bottom, and on each side, so that they may be bound up without injury to the writing. The sheets on which the dissertation is written must be securely stitched together.

The dissertations must not contain more than 10,000 words.

The authors of successful dissertations are invited to read them in public at a place and a time to be designated by the Dean of the Faculty of Arts and Sciences.

## THE DANTE PRIZE.

### In Memoriam Charles Sterrett Latham.

The prize offered for 1889–90 was awarded to Mr. C. S. Latham, of the Class of 1884, A.B. 1888, for a translation of the Letters of Dante with a historical and critical comment. Mr. Latham died on July 21, 1890. He did not live to learn the award of the prize.

In accordance with the desire of his mother, the prize adjudged to him of one hundred dollars is now offered again to be competed for. The competition is open not only to the students in any department of Harvard University, and to Harvard graduates of not more than three years' standing, but also to students and graduates of similar standing of any college or university in the United States.

The annual prize of *one hundred dollars* offered by a member of the Dante Society for the best essay by a student in any department of the University, or by a graduate of not more than three years' standing, on a subject drawn from the Life or Works of Dante, is withdrawn for the present, but the offer will be renewed after the award of the Latham prize.

For the year 1895–96, the subjects proposed are as follows: —

1. *Recent studies of the text of Dante, — especially those of Witte, Moore, and Tauber.*

2. *The allegory of the eighth and ninth cantos of the Inferno; the City of Dis, its demons, the Furies, Medusa, the opposition to the entrance of the Poets; the heavenly messenger.*

3. *Petrarch's personal and literary attitude towards Dante.*

Essays must be deposited with the Recorder on or before the *first day of May*, 1896.

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For the year 1896–97 the subjects proposed are as follows: —

1. *Dante's obligations to Provençal and Old French poetry.*

2. *A discussion of the origin and character of Dante's philosophy of love.*

3. *A study of the existing translations of the Divine Comedy into English verse.*

Essays must be deposited with the Recorder on or before the *first day of May*, 1897.

Essayists are at liberty to write on any one of the subjects which have been proposed for the seven years during which this prize has been offered.

On the title-page must be written an assumed name and a statement of the writer's standing, — *i. e.*, whether he is a graduate or an undergraduate; if an undergraduate, to what class he belongs and to what department of the University. Under cover with the dissertation must be sent a sealed letter containing the true name of the writer, and superscribed with his assumed name.

The dissertations must be written upon letter paper, of good quality, of the quarto size, with a margin of not less than one inch at the top, at the bottom, and on each side, so that they may be bound up without injury to the writing. The sheets on which the dissertation is written must be securely stitched together.

The judges of the essays are a committee of the Dante Society.

In case the judges decide that no essay submitted to them deserves the full prize, they are at liberty to award one or two prizes of fifty dollars, or to award no prize.

## THE SARGENT PRIZE.

This prize was instituted by John Osborne Sargent of the class of 1830, and endowed in his memory by his daughter, Georgiana W. Sargent, in 1892. The prize is of one hundred dollars for the best metrical translation of a lyric poem of Horace.

The selection for 1896 is the *fifth Ode of the third Book.*

Undergraduates of Harvard College and of Radcliffe College may compete for this prize. The prize may be withheld if no competitor appears to deserve it.

The versions must be neatly and legibly written upon letter paper of good quality, of quarto size, with a margin of not less than one inch at the top, at the bottom, and on each side; and the sheets must be securely stitched together. They must be deposited in the office of the Recorder on or before the *first day of May*, 1896. Each version must have inscribed

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upon its title-page an assumed name of the writer, and must be accompanied by a sealed envelope containing the writer's true name and superscribed with the assumed name.

## THE GEORGE B. SOHIER PRIZE.

Mr. WALDO HIGGINSON of the Class of 1833 has given a sum to found a Prize in memory of his brother-in-law, GEORGE B. SOHIER of the Class of 1852. This prize is known as the George B. Sohier Prize. The endowment is for "one prize of $250 for the best thesis presented by a successful candidate for Honors in English or in Modern Literature. If no thesis is deemed worthy of a prize, no prize will be given." "The competitors may be either, (1) undergraduates in Harvard College (2) Harvard graduates who are resident at the University as students in the Graduate School, or (3) students in Radcliffe College.

## THE SALES PRIZE.

A prize of *forty-five dollars* is offered, to be awarded to the "best scholar in Spanish," under the following clause from the will of FRANCIS SALES: —

"It is my will that $1000 shall constitute a fund, the income of which shall be annually given, either in money or a gold medal of equivalent value, to the best scholar in Spanish, who shall have commenced the study of that language at Harvard College, and whose scholarship shall be determined by his proficiency in Spanish composition: the successful candidate to be selected by the President, the Professor of the French and Spanish languages, and the Instructor of Spanish for the time being."

The competition for this prize is limited to undergraduates of Harvard College and the Lawrence Scientific School.

Notice of intention to compete for this prize must be sent to the Recorder on or before *the first day of May*, 1896.

## THE ROPES PRIZE.

A prize of two hundred and fifty dollars is offered by John C. Ropes, of the Class of 1857, for the best essay upon "The Causes of the Russian War of 1812."

The competition is open to members of any department of Harvard University. Essays must be deposited with the Recorder on or before the *last day of April*, 1896.

The essays are to be signed with a motto or an assumed name, and must be accompanied by a sealed envelope marked outside with the same motto or name, but enclosing a statement of the real name and academic standing of the author.

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The essays must be written upon letter paper, of good quality, of the quarto size, with a margin of not less than one inch at the top, at the bottom, and on each side, so that they may be bound up without injury to the writing. The sheets on which essays are written must be securely stitched together.

This prize is offered also to members of the University of Pennsylvania.

## PRIZES IN POLITICAL SCIENCE.

Five prizes are offered for subjects in various fields of Political Science, viz., the Toppan, Sumner, Paine (two prizes), and Bennett.

The subjects for any of these five prizes may, within the limitations set down in the special announcement of each, be chosen by each competitor for himself, subject to the approval of the Committee on Prizes in Political Science. The proposed subject may be presented to the Committee at any time, and must be submitted not later than March 1 of the year in which the essay is to be sent in. The general range of subjects suitable for essays will be found indicated below; and also a statement as to what persons are admitted to the competition.

For all the prizes the following general rules must be observed:—

The dissertations must be clearly and legibly written upon letter paper of quarto size, the sheets securely stitched together, and a sufficient margin left on all sides to enable the manuscript to be properly bound.

The title-page of a dissertation offered for the prize must be inscribed with an assumed name, and the dissertation must be accompanied by a sealed letter containing the true name and the University standing of the writer, and superscribed with his assumed name.

The prize will not be awarded to any dissertation that does not give such evidence of solid study, sound thought and literary care as would, in the opinion of the judges, warrant its publication.

Dissertations must be deposited at the Recorder's office on or before the *first day of May*, 1896.

The University will not be responsible for the safe keeping of unsuccessful dissertations for more than three months after public notice of the award has been given.

### THE TOPPAN PRIZE.

An annual prize of *one hundred and fifty dollars*, the gift of Robert Noxon Toppan, of the class of 1858, is offered for the best essay (of sufficient merit) on a subject in Political Science.

The prize is open for competition to all students of the Graduate School or of any of the Professional Schools, who have received an

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academic degree, and to all Graduates of the College of not more than three years' standing.

The following subjects, upon which Toppan Prizes have been taken, will serve to indicate the range of topics: —

1. *Protection to young industries in the United States.*

2. *Town and county government in the United States.*

3. *The foundation and the prospects of the Dominion of Canada.*

4. *The original and derived features of the Constitution of the United States.*

5. *Parliamentary government in France since 1869.*

## THE SUMNER PRIZE.

An annual prize of *one hundred dollars*, the gift of CHARLES SUMNER, of the Class of 1830, is offered for the best dissertation on a subject connected with the topic of Universal Peace and the methods by which War may be permanently superseded. This prize is open to any student of the University in any of its departments. But students cannot hope to be successful who have not some knowledge of international law.

The following subjects, upon which Sumner prizes have been taken, will serve to indicate the range of topics: —

1. *The experience of the last half-century and the light it throws upon the possible general resort to arbitration as a substitute for war.*

2. *Great national armaments in time of peace; their causes, their continuance, the chances of their decline.*

3. *An historical sketch of the spread of the doctrine of the immunity of private property at sea, and a discussion of its tendency to promote peace.*

4. *The light which experience throws upon the resort to arbitration as a substitute for war.*

## THE PAINE PRIZES.

Two prizes, one of *one hundred dollars* and one of *fifty dollars*, are offered by Hon. ROBERT TREAT PAINE, of the Class of 1855, "for the best essays on the ethical aspect of the modern social questions." (*a*) One prize will be assigned for the best original investigation of some definite form of charity-work, with practical conclusions drawn therefrom. (*b*) The other prize will be assigned for the best original investigation of

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some special phase of the labor question, with practical conclusions drawn therefrom. These prizes are open to any student of any department of the University.

It is the intention of the founder to encourage first-hand research into present social conditions.

The founder indicates, — though he does not prescribe, — such subjects as the following: —

(*a*) 1. *The scientific treatment of city slums.*

2. *The housing of the working-classes.*

3. *The child-problem in great cities.*

(*b*) 1. *The history and prospects of labor organizations in the United States.*

2. *The history and prospects of productive coöperation in the United States.*

3. *The duty of the State to the laboring classes.*

## THE BENNETT PRIZE.

An annual prize of *forty dollars*, from a fund established by JAMES GORDON BENNETT, is offered for the best essay in English prose on some subject of American governmental domestic or foreign policy of contemporaneous interest.

This prize is open only to members of the Senior Class and to Special Students in their third or fourth year who have taken courses in Political Science and English Literature.

The following are among the many subjects on which essays might be written.

1. *The proper relations of the United States with Hawaii.*

2. *How should postmasters be selected?*

3. *The advantages and dangers to the United States of a powerful navy.*

4. *The effect of executive commissions on State government.*

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## STUDENTS.

### SENIOR CLASS.

| | | |
|---|---|---|
| **Abbott, Allan,** | *Watertown,* | D. 31. |
| **Abbott, Theodore Jacob,** | *Brooklyn, N. Y.* | P. 77. |
| **Adams, Edward Francis,** | *Derry, N. H.* | P. 36. |
| **Addison, Harold Ethelbert,** | *Chicago, Ill* | P. 7. |
| **Ames, Edward Winslow,** | *Chelsea,* | M. 37. |
| **Ames, Leroy Allston,** | *Spencer,* | M. 22. |
| **Amory, George Gardner,** | *Boston,* | Claverly 27. |
| **Andrew, John Charles States,** | *Boston,* | D. 40. |
| **Andrews, Thomas Wood,** | *Philadelphia, Pa.* | T. 15. |
| **Appleton, William Sumner, Jr.** | *Boston,* | Shepherd Block 14. |
| **Archibald, Raymond Clare,** | *Sackville, N.B.* | 104 Inman St. |

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| Armstrong, Edward Dow, | *Lewiston, Me.* | P. 8. |
| Arnold, Henry Newton, | *New York, N. Y.* | 58 Mt. Auburn St. |
| Aspinwall, William Billings, | *Loudonville, N. Y.* | H. 30. |
| Atwood, Charles Fenne- | *Manton, R. I.* | 18 Sumner St. |
| Austin, James Augustus, | *Cambridge,* | 61 Spring St., E. |
| Austin, Richard, | *Jamaica Plain,* | H'y 4. [Cambridge. |
| Bacon, Carl Edward, | *Medford,* | W. 23. [Park. |
| Badger, Samuel Eveleth, | *Hyde Park,* | 6 Water St., Hyde |
| Balch, Francis Noyes, | *Jamaica Plain,* | Little's Block 25. |
| Barnes, Lynn Moore, | *Decatur, Ill.* | M. 5. |
| Barret, Cecil, | *Newport, R. I.* | Claverly 53. |
| Bartol, Edward Francis Washburn, | *Lancaster,* | W. 47. |
| Bass, Robert Perkins, | *Boston,* | Hilton Block A. |
| Baxter, Gregory Paul, | *Somerville,* | H. 14. |
| Belisle, Hector Louis, | *Worcester,* | H'ke 37. |
| Bell, Stoughton, | *Cambridge,* | 164 Brattle St. |
| Benedict, Elliot Stuart, | *New York, N. Y.* | Beck 45. |
| Bigelow, Harry Augustus, | *Norwood,* | C. 8. |
| Black, Newton Henry, | *Foxborough,* | C. 39. |
| Blagden, Linzee, | *New York, N. Y.* | Claverly 21. |
| Blanchard, Henry Lawton, | *Avon,* | T. 67. |
| Blodgett, William Ernest, | *Newton,* | W. H. 19. |
| Boardman, Samuel Ward, Jr., A.B. (*Maryville Coll.*) 1894, | *Maryville, Tenn.* | P. 39. |
| Booth, Percy Newhall, | *Louisville, Ky.* | W. 37. |
| Borden, Alfred, | *Fall River,* | H'y 3. |
| Bosworth, George Lewis, | *Philadelphia, Pa.* | 1689 Cambridge St. |
| Boucher, Charles, | *New York, N. Y.* | Hilton Block 28. |
| Bowser, Eden Kirk, | *Wakefield,* | Wakefield. |
| Brayton, Israel, | *Fall River,* | T. 56. |
| Brayton, William Lawton Slade, | *Fall River,* | T. 56. |
| Brehaut, Ernest, A.B. (*Dalhousie Coll.*) 1894, | *Murray Harbor South, P.E.I.* | 68 Inman St. |
| Bremer, John Lewis, Jr. | *Boston,* | Claverly 47. |
| Brewer, Arthur Harris, | *Jamaica Plain,* | 20 Holyoke St. |
| Brewer, Charles, | *Jamaica Plain,* | Claverly 29. |
| Brooks, Reginald, | *Newport, R. I.* | Beck 21. |
| Brown, Charles Hastings, | *Beverly,* | P. 48. |
| Brown, Edwin Hacker, | *Worcester,* | H'y 14. |
| Brown, Howard Dudley, | *W. Medford,* | H'ke 45. |
| Brown, Harry Lamprey, | *Lynn,* | W. H. 46. |
| Brumbaugh, Noah Jay, | *Union, O.* | S. 14. |

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| Bryan, Charles Egbert, | *Washington, D. C.* | Wadsworth 13. |
| Bryant, Charles Sawyer, | *Newton,* | C. 29. |
| Bullard, John Richards, Jr. | *Dedham,* | 1256 Mass. Ave. |
| Bullock, Alexander Hamilton, | *Worcester,* | W. 44. |
| Burdett, Alfred Joslyn, | *Leominster,* | G't 10. |
| Canfield, Horace, | *Champaign, Ill.* | 20 Ware St. |
| Cannon, Walter Bradford, | *St. Paul, Minn.* | D. 23. |
| Capron, Paul, | *Arlington Heights,* | F. 5. [Roxbury. |
| Carney, Michael Francis, | *Roxbury,* | 17 Holborn St., |
| Carter, Chauncey Giles, | *W. Newton,* | Hilton Block 16. |
| Cassebeer, Henry Arthur, | *New York, N. Y.* | 3 Sumner St. |
| Caswell, William Watson, | *New York, N. Y.* | Claverly 6. |
| Champney, Edouard Frère, | *New York, N. Y.* | H'ke 17. |
| Chase, Arthur Minturn, | *Yonkers, N. Y.* | H. 25. |
| Chase, Edward Nichols, | *Portland, Me.* | T. 38. |
| Chase, George Henry, | *Lynn,* | H. 30. |
| Clapp, Albion Billings, | *Wellesley Hills,* | T. 3. |
| Clark, Elton, | *Milton,* | 102 Mt. Auburn St. |
| Clark, Ellery Harding, | *Boston,* | Claverly 50. |
| Clark, Percy Hamilton, | *Germantown, Pa.* | Claverly 42. |
| Codman, Alfred, | *Roxbury,* | 27 Holyoke St. |
| Coester, Alfred Lester, | *Bridgeport, Conn.* | M. 21. |
| Collins, George Leman, | *Dorchester,* | T. 65. |
| Colpitts, Edwin Henry, | *Point de Bute, N.B.* | 29 Sacramento St. |
| Cone, Ralph Waldo, A.B. (*Univ. of Kansas*) 1895, | *Seneca, Kan.* | C. 68. |
| Corbin, Austin, Jr. | *New York, N. Y.* | Beck 2. |
| Cotton, Joseph Potter, Jr. | *Newport, R. I.* | Hilton Block A. |
| Cox, Archibald, | *Plainfield, N. J.* | 78 Mt. Auburn St. |
| Cram, Ernest Roby, | *Cambridge,* | 16 Pleasant Pl. |
| Crane, Edwin Rogers, | *Newton,* | W. 2. |
| Creelman, George Willis, | *Cambridge,* | H. 22. |
| Creesy, Everett Larcom, | *Beverly,* | G. 44. |
| Crowley, James Wallace, Jr., A.B. (*Kansas Wesleyan Coll.*) 1894, | *Salina, Kan.* | 14 Oxford St. |
| Curtis, Harry Appleton, | *Boston,* | Shepherd Block 17. |
| Day, Edward Bliss, | *Hopedale,* | P. 16. |
| Dean, Philip Redfield, | *Colebrook, Conn.* | H. 22. |
| Delany, Selden Peabody, | *Fond du Lac, Wis.* | P. 7. |
| Denison, Winfred Thaxter, | *Portland, Me.* | M. 5. |
| Derby, George Strong, | *Boston,* | Little's Block 2. |
| Dibblee, Harrison, | *Ross Station, Cal.* | 8 Bow St. |
| Dickinson, Charles, | *Brookline,* | W. H. 1. |

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| Donaldson, Frederick August, | *Cleveland, O.* | 9 Story St. |
| Dorman, Harry Gaylord, | *Upper Montclair, N.J.* | W. 33. |
| Dorsey, Clarence Wilbur, LIT.B. (*Denison Univ.*) 1894, | *Granville, O.* | 22 Leonard Ave. |
| Dow, Rogers, | *Revere,* | T. 61. |
| Draper, William Hill, | *Somerville,* | W. 52. |
| Dudley, Frederic Cole, | *Portland, Me.* | H'y 19. |
| Duff, Robertson, | *New Bedford,* | 26 Holyoke St. |
| Duffield, Francis, | *Detroit, Mich.* | 1168 Mass. Ave. |
| Dunn, Charles Hunter, | *Newport, R. I.* | W. 29. |
| Dutch, Herbert Wilbur, | *Winchester,* | D. H. 2. |
| Dutton, William Paine, | *Sycamore, Ill.* | 40 Kirkland St. |
| Dwinell, Elbert Hammett, | *Montpelier, Vt.* | H. 25. |
| Dyer, Lyman Tiffany, | *New York, N. Y.* | Claverly 25. |
| Dyrenforth, Arthur, | *Chicago, Ill.* | P. 11. |
| Eddy, Spencer, | *Chicago, Ill.* | 60 Brattle St. |
| Edwards, Harold, | *Boston,* | 108 Mt. Vernon St., |
| Ely, Moses, | *Newburgh, N. Y.* | T. 58. [Boston. |
| Fairchild, John Cummings, | *Boston,* | Claverly 55. |
| Farrar, Clarence B, | *Cattaraugus, N. Y.* | 18 Trowbridge St. |
| Farrar, Waldo, | *Dorchester,* | 24 Elm St., |
| Fay, Edward Pickering, | *Springfield,* | H. 19. [Dorchester. |
| Fay, Sidney Bradshaw, | *Washington, D.C.* | H. 5. |
| Fennessy, Edward Henry, | *Boston,* | 78 Mt. Auburn St. |
| Fleischmann, Carl Louis, | *New York, N. Y.* | W. H. 2. |
| Forbes, Francis Murray, | *Paris, France,* | 30 Holyoke St. |
| Forman, George Alfred, | *Buffalo, N. Y.* | Hilton Block 6. |
| Forsyth, Alexander, | *Cambridge,* | 21 Putnam Ave. |
| Fox, Francis Bird, | *Taunton,* | T. 67. |
| Fox, Rector Kerr, | *Paris, Ky.* | M. 9. |
| Frank, Robert Tilden, | *New York, N. Y.* | H'ke 11. |
| Freedman, Louis Alexander, | *Boston,* | 1734 Cambridge St. |
| Friedberg, Harry, | *Kansas City, Kans.* | Read's Block 4. |
| Frothingham, Brooks, | *Boston,* | Hilton Block 11. |
| Frothingham, Edgar Victor, | *Brooklyn, N. Y.* | M. 19. |
| Fuller, Charles Sumner, | *Cambridge,* | 125 Prospect St. |
| Fuller, Henry Holton, | *Lancaster,* | W. 4. |
| Furman, Stuart Sydney, | *New York, N. Y.* | 102 Mt. Auburn St. |
| Gallagher, Oscar Charles | *Easthampton,* | S. 13. [Watertown. |
| Gilkey, Frank Sawyer, | *Watertown,* | 9 Irving St., |
| Goddard, Charles Frederick, | *Worcester,* | Hilton Block 26. |
| Goodman, William, | *Cincinnati, O.* | Ware 18. |
| Goodyear, Watson Edward, | *Naugatuck, Conn.* | F. 7. |

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| Gould, Alfred Henry, | *Boston*, | W. 28. |
| Gray, William Cook, | *Fall River*, | C. 6. |
| Green, Melvin, | *Louisville, Ky.* | W. 29. |
| Greene, Jerome Davis, | *Cambridge*, | H'y 10. |
| Greene, Russell Thomas, | *Cambridge*, | 48 Dana St. |
| Greene, Samuel Earle, | *Boston*, | D. H. 2. |
| Greenough, William, Jr. | *New York, N. Y.* | Read's Block 2. |
| Gregg, Clifford Fyffe, | *Chattanooga, Tenn.* | 18 Mellen St. |
| Grew, Henry Sturgis, 2d, | *Boston*, | Claverly 52. |
| Griffin, Frank Wood, | *Oakland, Cal.* | 56 Mt. Auburn St. |
| Hager, Lee, | *St. Paul, Minn.* | 28 Holyoke St. |
| Hagerman, Lee Walker, | *St. Louis, Mo.* | Shepherd Block 11. |
| Hahlo, Arthur Harold, | *New York, N. Y.* | W. H. 2. |
| Hale, Frederick, | *Ellsworth, Me.* | 1208 Mass. Ave. |
| Hall, Arthur Williams, | *Quincy*, | Felton Building 13. |
| Hallowell, Robert Haydock, | *Medford*, | Claverly 29. |
| Ham, Roscoe James, | *Providence, R. I.* | F. 5. |
| Hamilton, George Henry, B.S. (*Olivet Coll.*) 1894, | *Watseka, Ill.* | C't 28. |
| Hamlen, Paul Mascarene, | *Boston*, | Claverly 45. |
| Hart, John Thomas, | *Cambridge*, | 415 Broadway. |
| Hathaway, Joseph Henry, A.B. (*Iowa Coll.*) 1894, | *Grinnell, Ia.* | 62 Kirkland St. |
| Hayes, John Joseph, Jr. | *Jamaica Plain*, | H'y 2. |
| Hayter, Samuel Richard, | *New York, N. Y.* | 20 Ware St. |
| Hazard, Peyton Randolph, | *Newport, R. I.* | 17 Dunster St. |
| Heckscher, Stevens, | *Philadelphia, Pa.* | Claverly 42. |
| Herschel, Winslow Hobart, | *Glen Ridge, N. J.* | T. 9. |
| Hervey, Allan Moore, | *Boston*, | Ware 44. |
| Hicks, Ralph Burnell Calhoun, | *Cambridge*, | 65 Hammond St. |
| Hildreth, Alfred Hitchcock, | *Cambridge*, | 14 Garden St. |
| Hinckley, Frank Caspar, | *Bangor, Me.* | C't 26. |
| Hitchcock, Frank Lauren, | *Andover*, | 9 Story St. |
| Hobson, Willis Sanford, | *Lakewood, O.* | M. 45. |
| Hoffman, John Ellis, | *New York, N. Y.* | 5 Linden St. |
| Holbrook, John Swift, | *New York, N. Y.* | Beck 24. |
| Holmes, Arthur Brewster, | *Kingston*, | H'y 4. |
| Holmes, Charles Nevers, | *Cambridge*, | 891 Mass. Ave. |
| Holmes, Willis Boit, | *Cambridge*, | 39 William St. |
| Holt, Edwin Bissell, | *Winchester*, | T. 42. |
| Hoppin, Frederick Street, Jr. | *Providence, R. I.* | W. 5. |
| Howard, Bion Bradbury, | *Millbury*, | H'y 8. |
| Howe, George Alonzo, | *Danvers*, | H'y 19. |

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| Howell, William Wescott, | *Jamaica Plain*, | G. 11. |
| Howland, Abram Harbach, | *Cambridge*, | 10 Channing Pl. |
| Huidekoper, Frederic Louis, | *Washington, D. C.* | Shepherd Block 18. |
| Hunt, John Cummings, | *Boston*, | M. 9. |
| Hyde, Arthur Sewall, | *Bath, Me.* | 44 Brattle St. |
| Ingalls, Albert Stimson, | *Cincinnati, O.* | Beck 43. |
| Ingraham, Arthur, | *New Bedford*, | W. H. 59. |
| Iselin, John Henry, | *New York, N. Y.* | Beck 6. |
| Jackson, Marion McHenry, | *Atlanta, Ga.* | Ware 36. |
| James, Edward Holton, | *Concord*, | H'y 21. |
| Jenkins, Lawrence Waters, | *Boston*, | Shepherd Block 15. |
| Jewell, Ernest Clarence, | *Lawrence*, | 2 Gorham St. |
| Johnson, Henry Sparks, | *Cambridge*, | T. 1. |
| Johnson, Thomas Joseph, | *Dorchester*, | Hilton Block 10. |
| Johnston, Henry, | *Fredericton, N. B.* | 3 Sumner St. |
| Jones, Frederic Marshall, | *Somerville*, | 27 Porter St., Somerville. |
| Kales, Albert Martin, | *Chicago, Ill.* | 1256 Mass. Ave. |
| Katzmann, Frederic Gunn, | *Hyde Park*, | 54 Cottage St., Hyde Park. |
| Kauffman, Calvin Henry, | *Lebanon, Pa.* | 2 Lamont Ave. |
| Ketcham, John Lewis, Jr. | *Indianapolis, Ind.* | 40 Kirkland St. |
| Kimball, Elliot Chamberlain, | *Dubuque, Ia.* | 10 Oxford St. |
| King, Robert, A.B. (*Mt. Allison Coll.*) 1893, | *Sackville, N. B.* | 89 Hammond St. |
| King, William Herbert, B.S. (*Mass. Inst. of Tech.*) 1894, | *Melrose*, | Melrose. |
| Kingsbury, Isaac William, | *Chestnut Hill*, | W. H. 6. |
| Knight, Henry Francis, | *Dorchester*, | T. 14. |
| Knoblauch, Edward Gustavus, | *New York, N. Y.* | H'ke 18. |
| Knowles, Frederic Lawrence, A.B. (*Wesleyan Univ.*) 1894, | *Tilton, N. H.* | 58 Wendell St. |
| Knowlton, George William, Jr. | *W. Upton*, | Read's Block 18. |
| Knudsen, Arthur Sinclair, | *Kauai, H. I.* | H'y 13. |
| Lathrop, Charles Newton, | *Oakland, Cal.* | S. 15. |
| Lawrence, Amos Amory, | *Boston*, | 9 Bow St. |
| Le Bosquet, John Edwards, | *Somerville*, | H. 14. |
| Lee, John Henry Sheldon, A.B. (*Lake Forest Univ.*) 1895, | *Waukegan, Ill.* | 2 Gorham St. |
| Leekley, Harlow Audleigh, | *Chicago, Ill.* | P. 41. |
| Leonard, Jonathan, | *Sandwich*, | H. 11. |
| Lewis, Arthur Gardner, | *Chicago, Ill.* | 1256 Mass. Ave. |
| Lewis, Fred Rinaldo, | *Lynn*, | D. 34. |

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| Lewis, Gilbert Newton, | *West Newton*, | T. 37. |
| Lewis, Harold William, | *Worcester*, | S. 11. [Somerville. |
| Lewis, Herschel Wilder, | *Somerville*, | 16 Prescott St., |
| Lincoln, George Luther, | *Dorchester*, | M. 21. |
| Lincoln, Merrick, | *Worcester*, | Read's Block 18. |
| Lippincott, George, A.B. (*Haverford Coll.*) 1895, | *Chelten Hills, Pa.* | Ware 18. |
| Lord, Walter Russell, | *Buffalo, N. Y.* | T. 32. |
| McKibben, William Watson, | *Van Buren, Ark.* | M. 55. |
| McKittrick, Walter, | *St. Louis, Mo.* | Claverly 20. |
| McMann, William Henry, | *Roxbury*, | 1132 Mass. Ave. |
| Marlow, Ernest Wilmer, | *Washington, D.C.* | P. 66. |
| Marsh, Elias Joseph, Jr. | *Paterson, N. J.* | M. 16. |
| Marsh, Nathan Walworth, A.B. (*Illinois Wesleyan Univ.*) 1895, | *Bloomington, Ill.* | 126 Mt. Auburn St. |
| Mason, Francis, | *Brooklyn, N. Y.* | T. 55. |
| Mathews, Edward Roscoe, | *Valley Forge, Pa.* | Manter Block 1 |
| Mathews, George Williams, | *Worcester*, | W. 18. |
| Mathews, John Lathrop, | *Chicago, Ill.* | C't 24. |
| May, Samuel, | *Jamaica Plain*, | W. 50. |
| Mead, Benjamin Charles, | *Auburn, N. Y.* | G. 50. |
| Mead, Louis Guy, | *W. Acton*, | H'ke 42. |
| Merigold, Benjamin Shores, | *Taunton*, | G. 25. [Boston. |
| Merrill, Evan Walter Dunster, | *Boston*, | 218 Columbus Ave., |
| Merriman, Roger Bigelow, | *Worcester*, | W. 42. |
| Metcalf, Nelson Case, | *Cambridge*, | 22 Linnaean St. |
| Middleton, Lamar, | *Chicago, Ill.* | W. 21. |
| Millikin, Lewis Campbell, | *Hamilton, O.* | 3 Sumner St. |
| Mix, Harry Collier, | *Chicago, Ill.* | C. 60. |
| Montague, William Pepperrell, Jr. | *Washington, D. C.* | H'ke 46. |
| Morrill, Joseph, | *Roxbury*, | T. 15. |
| Morris, Dave Hennen, | *Westchester, N. Y.* | 9 Waterhouse St. |
| Morris, Meredith Darlington, A.B. (*Mt. Union Coll.*) 1895, | *Kennon, O.* | Roslindale. |
| Morse, James Herbert, Jr. | *New York, N. Y.* | H'y 6. |
| Morse, Robert Gorham, | *Jamaica Plain*, | 26 Holyoke St. |
| Motley, Thomas, Jr. | *Boston*, | Claverly 46. |
| Mott, Luther Wright, | *Oswego, N. Y.* | Hilton Block 22. |
| Mott, William Kendrick, | *Belleville, N. Y.* | H. 19. |
| Moyer, Aaron Joseph, Jr. | *Springfield, O.* | P. 55. |
| Munro, Willis, | *Buffalo, N. Y.* | Little's Block 25. |
| Munroe, Vernon, | *Englewood, N. J.* | H'y 6. |
| Murdock, Lester Bigelow, | *Leicester*, | H'y 8. |

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| Murray, Archibald, A.B. (*Acadia Coll.*) 1894, | *Yarmouth, N. S.* | 1586 Cambridge St. |
| Neal, Frank Getchell, | *Boston,* | S. 20. |
| Newgass, George Washington, | *New York, N. Y.* | W. H. 38. |
| O'Brian, John Lord, | *Buffalo, N. Y.* | G. 38. |
| Orr, William Walker, | *Worcester,* | W. 18. |
| Osborn, John Frederic, | *Cambridgeport,* | W. 49. |
| Page, Frank Russell, | *Bradford,* | C. 40. |
| Paine, George Lyman, | *Boston,* | Little's Block 24. |
| Palfrey, John Gorham, | *Belmont,* | M. 53. |
| Parker, Charles Henry, Jr. | *Boston,* | Hilton Block 27. |
| Parker, Frank Edward, | *Brookline,* | Osborne Road, |
| Parker, James Phillips, | *Brookline,* | Ware 54. [Brookline. |
| Parker, William Ainsworth, | *Cambridge,* | 1 Mercer Circle. |
| Peck, John Weld, | *Cincinnati, O.* | H. 3. |
| Phelps, James Wesson, | *Wilbraham,* | C. 16. |
| Pollak, Francis Deák, | *Summit, N. J.* | C. 64. |
| Porter, Henry Whitcomb, | *Quincy,* | W. 43. |
| Powell, Burt Eardley, B.S. (*Iowa Coll.*) 1892, | *Atlantic, Ia.* | 20 Gray St. |
| Pratt, Frederick Haven, | *Worcester,* | T. 2. |
| Putnam, William Edward, Jr. | *Brookline,* | W. H. 59. |
| Ransom, Frank Howard, Jr. | *Buffalo, N. Y.* | Buckingham Pl. |
| Rathbun, Frank Hallock, | *Mt. Vernon, N. Y.* | H'y 24. |
| Raymond, Clifford Samuel, A.B. (*Wittenberg Coll.*) 1895. | *Springfield, O.* | P. 55. |
| Reed, Edwin Thomas, | *River Falls, Wis.* | 39 Hurlbut St. |
| Rich, Herbert Thomas, | *Hyde Park,* | C. 41. |
| Richardson, Philip, | *Brookline,* | Shepherd Block 17. |
| Riker, John Lawrence, 2d, | *New York, N. Y.* | H'ke 21. |
| Robinson, Archer Tyler, | *Pomfret, Conn.* | 1746 Cambridge St. |
| Robinson, Harry Ezra, | *Boston,* | M. 48. |
| Rogers, Dudley Pickman, | *Salem,* | Ware 6. |
| Rogers, William Bowditch, | *Boston,* | Claverly 46. |
| Ross, Carl Abraham, | *Lower Waterford, Vt.* | C. 6. |
| Ross, Herbert Austin, | *Florence,* | H'ke 46. [Boston. |
| Russell, Thomas Hastings, | *Boston,* | 3 St. James Ave. |
| Russell, William Augustus, Jr. | *Boston,* | Ware 6. |
| Salmon, Harvey Woodson, Jr. | *Clinton, Mo.* | T. 6. |
| Sanford, Henry Lindsay, | *Bridgewater,* | 52 Mt. Auburn St. |
| Sargent, Porter Edward, | *San Bernardino, Cal.* | M. 49. |
| Satterlee, Henry Suydam, | *New York, N. Y.* | Beck 6. |
| Scott, George Cranch, | *Burlington, Ia.* | 8 Holyoke St. |

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| Scott, George Dow, B.S. (*Middlebury Coll., Vt.*) 1895, | *Leominster*, | 1709 Cambridge St. |
| Sears, Stephen Faunce, | *Brookline*, | P. 32. |
| Seelig, Major Gabriel, | *Helena, Ark.* | W. 6. |
| Seller, William Edmund Ward, A.B. (*Mt. Allison Univ.*) 1894, | *Gibson, N. B.* | 89 Hammond St. |
| Shedd, William Holmes, | *Malden*, | T. 61. |
| Sheffield, Alfred Dwight, A.B. (*Oberlin Coll.*) 1895. | *Peking, China.* | 345 Harvard St. |
| Shepard, Luther Dimmick, Jr. | *Boston*, | H'y 12. |
| Skinner, Prescott Orde, | *Boston*, | C. 32. |
| Small, Albert Ernest, | *Melrose*, | C. 47. |
| Smart, Frank Leroy, A.B. (*Northern Ind. Normal School*) 1889, | *Shelbyville, Ill.* | 24 Leonard Ave. |
| Smith, Conrad, | *Boston*, | H'y 12. |
| Smith, Fitz-Henry, Jr. | *Boston*, | W. H. 1. |
| Smith, George Edward, | *Providence, R. I.* | S. 32. |
| Smith, Louis de Forest, | *Hartford, Conn.* | M. 20. |
| Smith, William Massey. | *Boston*, | W. 32. |
| Soule, Lewis Franklin. A.B. (*Bowdoin Coll.*) 1895, | *Phillips, Me.* | 65 Putnam Ave. |
| Soule, Walter Sylvester, | *Newton*, | W. H. 6. |
| Spalding, George Homer, | *Lowell*, | C't 4. |
| Sprague, Rufus William, Jr. | *Charlestown*, | H. 4. |
| Staab, Edward Adolph, A.B. (*Swarthmore Coll.*) 1894, | *Santa Fé, N. Mexico*, | 1134 Mass. Ave. |
| Stephens, Redmond Davis. | *Chicago, Ill.* | Ware 26. |
| Stevenson, Thomas Greely, | *Boston*, | 68 Mt. Auburn St. |
| Steward, Charles, | *Fort Missoula, Mon.* | H. 24. |
| Steward, Frank Rudolph. | *Fort Missoula, Mon.* | H. 24. |
| Stillman, Charles Senff, | *So. Natick*, | Claverly 30. |
| Stillman, James Alexander, | *New York, N. Y.* | Beck 22. |
| Stillwagen, Frederic Hainse, | *Allentown, Pa.* | Felton Building 13. |
| Stockton, Philip, | *Boston*, | Little's Block 2. |
| Stone, Joshua Winthrop, | *Mt. Auburn.* | 129 Grove St., Mt. Auburn. |
| Storey, Richard Cutts, | *Brookline*, | 9 Linden St. |
| Storrs, Henry Randolph, | *Brookline*, | H'y 1. |
| Sturgis, James McCulloh, | *Manchester*, | Little's Block 24. |
| Swanton, John Reed, | *Boston*, | P. 63. |
| Sweezey, Alva, | *Olivet, Kan.* | C. 5. |
| Tapper, William Richard, A.B. (*Lombard Univ.*) 1894, | *Riverside, Ill.* | 42 Kirkland St. |

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| Tatlock, John Strong Perry, | *Stamford, Conn.* | G. 13. |
| Thayer, Henry Holmes, | *Worcester,* | W. 44. |
| Thayer, Harvey Waterman, A.B. (*Bowdoin Coll.*) 1895, | *Gray, Me.* | 94 Hammond St. |
| Thomas, George, | *Benson, Utah,* | 1 Wallace Ter. |
| Thomas, Raphael Clarke, | *Newton Centre,* | W. H. 19. |
| Thorndike, Edward Lee, A.B. (*Wesleyan Univ.*) 1895, | *Springfield,* | 12 Kirkland Pl. |
| Tobey, Edward Nelson, | *Cambridge,* | 36 Carver St. |
| Todd, Arthur Somerville, | *New Bedford,* | 29 Sacramento St. |
| Tower, Frederick Bates, | *Cohasset,* | G. 23. |
| Townsend, David, | *Natick,* | T. 35. |
| Townsend, Ralph Milbourne, | *Boston,* | Claverly 54. |
| Train, Arthur Cheney, | *Boston,* | T. 3. [Boston. |
| Trybom, John Herman, | *Boston,* | 147 Warren Ave., |
| Tudor, William, Jr. | *Boston,* | 60 Mt. Auburn St. |
| Valentine, Robert Grosvenor, | *Boston,* | M. 53. |
| Viaux, Victor, | *Dorchester,* | 44 Mt. Auburn St. |
| Viles, Jonas, | *Waltham,* | P. 66. |
| Wadsworth, Clarence Seymour, | *Middletown, Conn.* | Beck 1. |
| Ward, John Chamberlain, | *Belmont, N. Y.* | T. 30. |
| Warren, John, | *Boston,* | Manter 3. |
| Warren, Joseph Parker, | *Boston,* | 1460 Washington |
| Wendell, Arthur Rindge, | *Boston,* | H. 16. [St., Boston. |
| West, Louis Jerauld, | *Provincetown,* | M. 22. |
| Wheeler, Clarence Newell, | *Buffalo, N. Y.* | T. 32. |
| Wheelock, Harvey Lincoln, | *Worcester,* | 58 Mt. Auburn St. |
| White, Clifford Allen, | *Taunton,* | T. 39. |
| White, Charles Browning, | *Middleburg, N. Y.* | 18 Trowbridge St. |
| White, John Arlington, | *Arlington Heights,* | S. 26. |
| Whiting, Grafton, | *Boston,* | 26 Holyoke St. |
| Whittemore, Frank Bruce, | *Cambridge,* | 17 Bigelow St. |
| Wilbour, William French, | *Little Compton, R. I.* | W. H. 5. |
| Williams, Franklin James, | *Chelsea,* | 144 Mt. Auburn St. |
| Williams, Ralph Blake, | *Boston,* | Claverly 50. |
| Williams, Thomas Stotesbury, | *Philadelphia, Pa.* | 7 Linden St. |
| Wilson, Clarence Rich, | *Washington, D.C.* | 60 Mt. Auburn St. |
| Wonson, Waverley Tillinghast, | *Boston,* | 208 Dartmouth St., [Boston. |
| Woodworth, Robert Sessions, A.B. (*Amherst Coll.*) 1891, | *Berlin, Conn.* | 34 Bigelow St. |
| Wyer, Harry Gage, | *Woburn,* | T. 19. |
| Zeller, Augustus P., A.B. (*Kansas State Univ.*) 1895, | *Lawrence, Kan.* | 10 Church St. |

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## Junior Class.

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|---|---|---|
| Abbott, Gideon Beck, | *Dorchester*, | P. 68. |
| Abele, George Washington, | *Boston*, | 759 Shawmut Ave., |
| Adams, Walter Davenport, | *Roxbury*, | W. 12. [Boston. |
| Adler, Hermann Norris, | *New York, N. Y.* | P. 29. |
| Alden, Eliot, | *Washington, D. C.* | P. 45. |
| Allen, Samuel Parker, Jr. | *Brookline*, | High St., Brookline. |
| Angier, Roswell Parker, | *Boston*, | P. 72. |
| Appleton, Henry Morgan, | *Springfield*, | C't 18. |
| Archer, Charles Augustus, | *Salem*, | T. 53. |
| Arndt, Walter Tallmadge, | *Madison, Wis.* | S. 17. |
| Auten, Benjamin Cutter, | *Princeville, Ill.* | C. 46. |
| Babson, Francis Morrill, | *Newburyport*, | W. 12. |
| Bailey, Harold Colburn, | *Somerville*, | 81 Central St., Somerville. |
| Baker, Benjamin Standish, | *Cambridge*, | 1256 Mass. Ave. |
| Barber, Melvin Spaulding, | *Winchester*, | 26 Mellen St. |
| Barnard, Charles Lester, | *Topsfield*, | 7 Sumner St. |
| Barrett, Michael Frank, | *Hingham*, | 2 Gorham St |
| Barry, Frederick Eugene, | *Lynn*, | W. 1. |
| Bassett, Burnell, | *Barre*, | 18 Sumner St. |
| Batchelder, Charles Hull, | *Portsmouth, N. H.* | 36 Mt. Auburn St. |
| Bayley, Frank Sawyer, | *Denver, Col.* | 13 St. Charles St., |
| Beal, Henry Williamson, | *Danvers*, | T. 53. [Boston. |
| Beale, Arthur Messinger, | *Dorchester*, | P. 68. |
| Beebe, Theodore Chapin, Jr. | *Springfield*, | M. 34. |
| Bell, William Warren, | *Roxbury*, | T. 64. |
| Bettmann, Milton, | *Cincinnati, O.* | W. 1. |
| Binney, Horace, | *Middletown, Conn.* | 44 Brattle St |
| Bliss, Cornelius Newton, Jr. | *New York, N. Y.* | Claverly 5. |
| Bolster, Stanley Marshall, | *Roxbury*, | T. 64. |
| Borden, Sydney Howard, | *Fall River*, | 18 Trowbridge St. |
| Bowditch, Ingersoll, | *Jamaica Plain*, | Little's Block 12. |
| Bowles, Henry Irving, | *Cherryfield, Me.* | C. 31. |
| Briesen, Hans von, | *New York, N. Y.* | P. 51. |
| Brown, Charles Ammi, Jr. | *Portland, Me.* | W. 11. |
| Brown, Charles Ernest, | *Shortsville, N. Y.* | C. 39. |
| Brown, Frederic Willis, | *Concord*, | W. H. 26. |
| Brown, Harold Haskell, | *Boston*, | C't 15. |
| Brown, Harold Winthrop, | *Dover, N. H.* | 40 Kirkland St. |
| Bryant, Arthur Alexis, | *Cambridgeport*, | 199 Auburn St. |

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| Buell, Henry Douglas, | *Rochester, N. Y.* | 1270 Mass. Ave. |
| Bumpus, Everett Chauncey, | *Quincy,* | H'ke 31. |
| Burden, Isaiah Townsend, Jr. | *Newport, R. I.* | Beck 25. |
| Burley, Benjamin Thomas, | *No. Epping, N. H.* | 20 Ware St. |
| Burlingame, Frederic Anson, | *New York, N. Y.* | H'y 16. |
| Burnett, Joseph, | *Cambridge,* | Read's Block 20. |
| Butler, Henry Audubon, | *Youngstown, O.* | H'ke 26. |
| Byrd, William, | *New York, N. Y.* | H'y 22. |
| Calkins, Grosvenor, | *Boston,* | S. 5. |
| Capen, Edward William, | *Watertown,* | W. 33. |
| Carpenter, John Alden, | *Chicago, Ill.* | M. 12. |
| Carter, Arthur Thomas, | *Omaha, Neb.* | Quincy 8. |
| Chace, Fenner Albert, | *Fall River,* | 18 Trowbridge St. |
| Chatman, John Edwin, | *Boston,* | Ware 48. |
| Cheever, David, | *Boston,* | Little's Block 13. |
| Childs, Alfred Henry, | *Deerfield,* | C. 66. |
| Chittenden, Albert Percival, | *Dorchester,* | S. 6. |
| Chittenden, Roger Clapp, | *Dorchester,* | S. 6. |
| Choate, Joseph Hodges, Jr. | *New York, N. Y.* | 25 Holyoke St. |
| Clark, Edmund Foster, | *E. Somerville,* | 467 Broadway. |
| Clark, John Taylor, | *Jamaica Plain,* | Read's Block 28. |
| Clement, Robert, | *Boston,* | 434 Marlborough St., |
| Coffin, Sturgis, 2d, | *Chestnut Hill,* | P. 32. [Boston. |
| Cogswell, Edward Russell, Jr. | *Cambridge,* | 61 Kirkland St. |
| Cole, Wilfred George Garnet, (*McGill Univ.*) | *Cambridge,* | 28 Wendell St. |
| Collins, William Edward, | *Dorchester,* | H. 26. |
| Cooley, Fred Boyden, | *So. Deerfield,* | C. 66. |
| Cornwell, Herbert Cerdá de Vilarrestau, | *Cambridge,* | 12 Mt. Auburn St. |
| Cotton, William Dudley, Jr. | *Roxbury,* | W. H. 44. |
| Coveney, John Archibald, | *Somerville,* | 73 Marshall St., Somerville. |
| Cram, William Harward, | *New York, N. Y.* | Ware 35. |
| Cutting, Robert Bayard, | *New York, N. Y.* | Claverly 48. |
| Darling, Elmer Hervey, | *Troy, N. Y.* | W. H. 41. |
| Davidson, Irville Fay, | *Wollaston,* | 1699 Cambridge St. |
| Davis, Robert Charles, | *Fall River,* | Ware 20. |
| Dean, James, | *Brookline,* | 65 Mt. Auburn St. |
| Denholm, William James, | *Worcester,* | W. H. 36. |
| Dexter, Edmund Victor, | *New Brighton, N. Y.* | H'y 22. |
| Dexter, William Endicott, | *Brookline,* | Little's Block 20. |
| Dixon, Roland Burrage, | *Boston,* | W. H. 58. |

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| Dorr, Goldthwaite Higginson, | *Orange, N. J.* | 56 Plympton St. |
| Dow, John Winthrop, | *Claremont, N. H.* | T. 22. |
| Dowty, William Edmund, Jr. | *Fall River,* | M. 50. |
| Drew, Charles Davis, | *W. Newton,* | H'y 24. |
| Drury, George Peters, | *Waltham,* | W. 34. |
| Duffield, Morse Stewart, | *Detroit, Mich.* | 12 Mt. Auburn St. |
| Du Pont, Eugene, Jr. | *Wilmington, Del.* | H'ke 19. |
| Dutton, Francis Bird, | *Auburndale,* | H'ke 26. |
| Eaton, Amasa Mason, Jr. | *Providence, R. I.* | 11 Appian Way. |
| Elder, Edward Randall, | *Boston,* | H. 27. |
| Endicott, Henry, Jr. | *Boston,* | Little's Block 13. |
| Fales, David, Jr. | *Lake Forest, Ill.* | M. 3. [Brookline. |
| Faxon, Brooks, | *Brookline,* | 302 Walnut St., |
| Fenno, Edward Nicoll, Jr. | *Boston,* | Little's Block 10. |
| Fenollosa, Manuel Emilio, | *Salem,* | W. 25. |
| Field, William Evarts, | *Newton,* | W. H. 54. |
| Fisher, Elmer Metcalf, | *Franklin,* | T. 46. |
| Fisher, Willis Richardson, | *Mattapan,* | T. 9. |
| Fisk, Irving Lester, | *Hoosick Falls, N. Y.* | 40 Kirkland St. |
| Fiske, Henry Metcalf, | *Dorchester,* | 27 Everett St. |
| Fitzgerald, Thomas Francis, | *Troy, N. Y.* | M. 33. |
| Foote, Henry Wilder, | *Boston,* | W. H. 18. |
| Forbes, Allan, | *Boston,* | Claverly 41. |
| Ford, Walter Burton, | *Oneonta, N. Y.* | 40 Kirkland St. |
| Francis, Joseph Sidney, | *Lowell,* | H'ke 13. |
| French, Charles Frederick, | *Roxbury,* | T. 11. |
| Friedman, Herbert Jacob, | *Chicago, Ill.* | 42 Kirkland St. |
| Fulton, Albert Montgomery, Jr. | *Monticello, N. Y.* | M. 50. |
| Fyffe, Joseph, Jr. | *Waltham,* | C't 42. |
| Gannett, Thomas Brattle, Jr. | *Cambridge,* | Little's Block 9. |
| Gardner, Bertram, | *New York, N. Y.* | 56 Mt. Auburn St. |
| Garrison, William Lloyd, Jr. | *Brookline,* | 25 Holyoke St. |
| Gay, Ernest Lewis, | *Boston,* | Shepherd Block 6. |
| Gay, Frederick Parker, | *Cambridge,* | 10 Concord Ave. |
| Gilpin, Oliver William, | *Kittanning, Penn.* | P. 25. |
| Gleason, George, | *Haverhill,* | S. 25. |
| Godfrey, Henry Fletcher, | *New York, N. Y.* | Beck 5. |
| Grant, Walter Monroe, | *Arlington Heights,* | Appleton St., Arlington H'ts. |
| Gratwick, Frederic Coleman, | *Buffalo, N. Y.* | Beck 4. |
| Gray, Clifton Daggett, | *Somerville,* | 27 Winter St., W. Somerville. |
| Gray, Henry Gunther, | *New York, N. Y.* | W. H. 29. |

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| Gray, John Clinton, Jr. | *New York, N. Y.* | W. H. 29. |
| Greany, Denis Francis, | *Quincy,* | 25 Holyoke St. |
| Gregg, James Edgar, | *Colorado Springs, Colo.* | M. 25. |
| Gregory, Eugene Monroe, | *Washington, D. C.* | S. 10. |
| Griffin, Walter Alden, | *Haverhill,* | S. 25. |
| Hackett, Henry Seavey, | *New York, N. Y.* | 1132 Mass. Ave. |
| Hall, James Frank, | *Lowell,* | T. 57. |
| Hall, Walter Atwood, | *Wallingford, Conn.* | F. 7. |
| Halle, Eugene Samuel, | *Cleveland, O.* | 20 Prescott St. |
| Hallowell, Norwood Penrose, | *W. Medford,* | 25 Holyoke St. |
| Hammond, Orlando Davis, | *Memphis, Tenn.* | 1746 Cambridge St. |
| Hapgood, Lyman Sawin, | *Gloucester,* | T. 11. |
| Hardy, Charles Ashley, | *Auburndale,* | Read's Block 26. |
| Harriman, Charles Conant, | *Framingham,* | D. 38. [Charlestown. |
| Harrington, Arthur, | *Charlestown,* | 37 Monument Ave., |
| Harris, Arthur Thomas, | *Brookline,* | Read's Block 26. |
| Hastings, George Bulkley, | *Boston,* | Brookline Ave., Boston. |
| Hathaway, George Adelbert, | *Berkley,* | 467 Broadway. |
| Hayden, John Putnam, | *New York, N. Y.* | H'ke 8. |
| Hayward, Jonathan Balcom, | *Neponset,* | P. 72. |
| Healy, John Robert, | *Roxbury,* | G. 2. |
| Heilig, Frederick, | *Reading, Pa.* | M. 55. [Boston. |
| Herrick, Lester Elliott, | *Boston,* | Hotel Westland, |
| Hess, Alfred Fabian, | *New York, N. Y.* | W. H. 38. |
| Hill, Harry Howard, | *Worcester,* | M. 25. |
| Hills, George Ernest, | *Boston,* | Beck 33. |
| Hillyer, Virgil Mores, | *Washington, D. C.* | P. 87. |
| Hobbs, Charles Wesley, | *Hamilton,* | C. 3. |
| Hoitt, Alfred Woodman, | *Arlington,* | T. 66. |
| Hollister, Evan, | *Buffalo, N. Y.* | Little's Block 22. |
| Hollister, Robert Russell, | *White Hall, N. Y.* | D. 33. |
| Hollister, Stanley, | *Santa Barbara, Cal.* | Little's Block 26. |
| Howard, Albert Straw, | *Lowell,* | P. 20. |
| Howe, Henry Wainwright, | *Longwood,* | 78 Mt. Auburn St. |
| Howe, Wirt, A.B. (*Tulane Univ.*) 1895, | *New Orleans, La.* | 14 Oxford St. |
| Howell, James Albert, | *Ogden, Utah,* | C. 49. |
| Hubbard, Henry Vincent, | *Taunton,* | H'ke 32. |
| Huntington, Henry Barrett, | *Hanover, N. H.* | 7 Waterhouse St. |
| Huntsman, Owen Benjamin, B.E. (*State Normal School, West Chester, Pa.*) 1892, | *Stroudsburg, Pa.* | H. 32. |

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| Jackson, Howard Bigelow, | *Concord*, | C't 1. |
| Jenkins, Thornton, | *W. Barnstable*, | 45 Trowbridge St. |
| Jenks, Robert Darrah, | *Ashbourne, Pa.* | H'ke 20. |
| Jenney, Charles, | *Brookline*, | H. 9. |
| Jennings, Rutherford Wayland, | *Wyncote, Pa.* | H'ke 20. |
| Johnston, Frederic William, | *Minneapolis, Minn.* | 18 Trowbridge St. |
| Johnston, William Bernard, | *Washington, D. C.* | 28 Holyoke St. |
| Jones, Arthur Morse, | *Cambridge*, | Hilton Block 38. |
| Jones, Edward Loring, | *Portsmouth, N. H.* | W. H. 12. |
| Joseph, Eli, | *Cincinnati, O.* | 43 Irving St. |
| Kennard, William Wentworth, | *Somerville*, | 1689 Cambridge St. |
| Kennedy, Sinclair, | *Readville*, | W. H. 58. |
| Kernan, Francis Kernan, | *Brooklyn, N. Y.* | 1208 Mass. Ave. |
| Kimmons, John Henry, B.S. (*Drury Coll.*) 1895, | *Springfield, Mo.* | 17 Dunster St. |
| King, Albert Edward, | *Roxbury*, | H. 28. |
| Kinnicutt, Francis Harrison, | *New York, N. Y.* | H'y 16. |
| Knoblauch, George Washington, | *New York, N. Y.* | W. H. 11. |
| Ladd, Alexander Haven, | *Milton*, | 28 Holyoke St. |
| Lamson, Frank Fitts, | *Lowell*, | H'ke 35. |
| Lancaster, William Wbart, | *Augusta, Me.* | W. H. 31. |
| Langdon, Samuel Walter Ross, Jr. | *Stockton, Cal.* | 901 Mass. Ave. |
| Laws, Frederick Adams, | *Bedford*, | S. 18. |
| Lemann, Isaac Ivan, A.B. (*Tulane Univ.*) 1895, | *New Orleans, La.* | W. 6. |
| Lewis, Frederic Thomas, | *Cambridgeport*, | 36 Highland Ave. |
| Little, James Lovell, Jr. | *Brookline*, | 26 Holyoke St. |
| Logan, Robert, | *Philadelphia, Pa.* | W. H. 31. |
| Lonney, Albert James, | *Bloomington, Ill.* | 126 Mt. Auburn St. |
| Lord, Frederick Taylor, | *Lexington*, | 96 Prescott St. |
| Lovering, Arthur, | *Cambridge*, | 1 Larch St. |
| Lydenberg, Harry Miller, | *Dayton, O.* | 125 Mt. Auburn St. |
| Lyman, Theodore, Jr. | *Brookline*, | Hilton Block 21. |
| Lynch, James Francis, | *Albany, N. Y.* | M. 33. |
| McCormick, Thomas Joseph Henry, | *Roxbury*, | M. 6. |
| McDonald, Samuel James, | *Boston*, | M. 6. |
| McGrew, Clarence Alan, | *Cambridge*, | 71 Wallace St. |
| MacKaye, Percy Wallace, | *Shirley*, | D. 35. |
| Mackintosh, Herbert Butler, | *Needham*, | 13 Kirkland Pl. |
| McWhinnie, James Emery, | *Cambridge*, | 29 Williams St. |
| Mahoney, Flourence Joseph, | *Hopkinton*, | 1810 Mass. Ave. |
| Manley, Robert Elwood, | *Cattaraugus, N. Y.* | 51 Wendell St. |

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| Mansur, Frederick Whiting, | *Groton*, | 20 Ware St. |
| Marcy, Robert, | *Belmont*, | Little's Block 29. |
| Marks, Isaac Edward, | *Meridian, Miss.* | Ware 28. |
| Marsh, Hiram Stanley, | *Winchester*, | 26 Mellen St. |
| Mason, Philip Dana, | *Boston*, | 511 Beacon St., Boston. |
| Meserve, John May, | *Allston*, | 87 Linden St., Allston. |
| Millar, Morgan, | *Reading*, | 1611 Mass. Ave. |
| Miller, Frederick Pray, | *Boston*, | 282 Columbus Ave., |
| Miller, Henry Wise, | *New York, N. Y.* | 9 Bow St. [Boston. |
| Mitchell, David Eaton, | *Bradford, Penn.* | 1727 Cambridge St. |
| Moe, Alfred Keane, Jr. | *Jersey City, N. J.* | Little's Block 19. |
| Moore, Clarence King, | *Cambridge*, | 35 Wallace St. |
| Morrill, Frank Nash, | *Hiawatha, Kans.* | M. 44. |
| Mulford, Ernest Denman, | *Minneapolis, Minn.* | Quincy 8. |
| Nash, William Gibbs, | *Somerville*, | 232 Elm St., W. Somerville. |
| Neal, John Frederick, | *Malden*, | 1689 Cambridge St. |
| Noble, John, Jr. | *Roxbury*, | W. H. 26. |
| Noyes, George Harold, | *Georgetown*, | W. H. 13. |
| O'Brien, Lewis Ogden, | *New York, N. Y.* | W. H. 49. |
| Olds, Robert Edwin, | *St. Paul, Minn.* | D. 23. |
| Oppenheimer, Bernard Sutro, | *Cambridge*, | 105 Irving St. |
| Osborne, Winfred Horton, | *Fayetteville, N. Y.* | W. 27. |
| Paine, Charles Jackson, Jr. | *Weston*, | Little's Block 11. |
| Paine, Randolph, A.B. (*Add-Ran Coll.*) 1892, | *Denton, Tex.* | 32 Mellen St. |
| Parker, Augustin Hamilton, | *Boston*, | 9 Bow St. |
| Parker, William Belmont, | *Norfolk, Neb.* | C. 67. |
| Perry, Drake Thorndyke, | *Cleveland, O.* | P. 23. |
| Phelan, Michael Francis, | *Lynn*, | H'ke 14. |
| Phillips, Henry Alexander, | *Springfield*, | 28 Holyoke St. |
| Phillips, James Duncan, | *Salem*, | W. 26. |
| Pickering, Harry Edward, | *Lowell*, | H'ke 35. |
| Pitts, Samuel Lendall, | *Detroit, Mich.* | W. 19. |
| Plum, Harry Clarke, | *Poughkeepsie, N. Y.* | P. 58. |
| Poland, Willard Norman, | *Boston*, | 52 Mt. Auburn St. |
| Porter, Robert Brastow, | *Quincy*, | H. 13. |
| Potts, Joseph, | *Kansas City, Mo.* | 12 Sumner St. |
| Pratt, Edwin Bartlett, | *Quincy*, | 3 Sumner St. |
| Prescott, Carl Francis, | *Salina, Kans.* | H'y 23. |
| **Priest, Herbert Bancroft,** | *Littleton*, | H. 21. |

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| Ranlet, Ralph, | *Holyoke*, | 1270 Mass. Ave. |
| Rantoul, Edward Lambert, | *Salem*, | 78 Mt. Auburn St. |
| Rawson, Charles Thresher, | *Boston*, | 118 Myrtle St., Boston. |
| Raynolds, Herbert Frederick, | *Las Vegas, N. Mex.* | 40 Kirkland St. |
| Reed, Alfred Zantzinger, | *Colorado Springs, Colo.* | Wadsworth House 5. |
| Reynolds, George Edmund, | *Somerville*, | 1689 Cambridge St. |
| Rice, Edward Eggleston, | *Cambridge*, | 27 Maple Ave. |
| Richardson, Charles Francis Phelps, | *Washington, D. C.* | 102 Mt. Auburn St. |
| Ricketson, John Howland, Jr. | *Allegheny City, Pa.* | 9 Bow St. |
| Robbins, Reginald Lauran, | *Hingham*, | P. 45. |
| Roberts, George Newman, | *Cambridge*, | 20 Craigie St. |
| Roberts, Harry Stout. | *Camden, N. J.* | 46 Brattle St. |
| Roberts, Watkins William, | *Lawrence*, | C. 11. |
| Robinson, Louis Sydney Bassford, | *Chicago, Ill.* | 467 Broadway. |
| Rodman, Alfred, Jr. | *Dedham*, | Read's Block 2. |
| Rogers, Gorham, Jr. | *Roxbury*, | 140 Highland St., Roxbury. |
| Rogers, Harry Hall, | *Boston*, | 3 Sumner St. |
| Rowe, Harry Sherman, | *Roxbury*, | 10 Oxford St. |
| Rowell, Frank Bailey, | *Waltham*, | W. 34. |
| Rumford, Cyrus Peter Miller, | *Wilmington, Del.* | 68 Mt. Auburn St. |
| Rumrill, Chester Chapin, | *Springfield*, | Beck 34. |
| Rumsey, William Lacy, | *Wolcott, N. Y.* | G. 14. |
| Ryder, Arthur William, | *Andover*, | C. 4. |
| Safford, Harry Everett, | *Lawrence*, | 2 Gorham St. |
| Scaife, Roger Livingston, | *Boston*, | Little's Block 9. |
| Scannell, David Daniel, | *Jamaica Plain*, | H. 26. |
| Schurz, Herbert, | *Pocantico Hills, N. Y.* | W. H. 11. |
| Scott, Arnold, | *Leominster*, | H'y 9. |
| Scott, Harry Russell, | *Burlington, Ia.* | P. 49. [Wakefield. |
| Segerblom, Wilhelm, | *Wakefield*, | 23 Emerson St., |
| Sellers, Samuel Campbell, | *Baltimore, Md.* | 18 Wendell St. |
| Shannon, James Herbert, | *Cambridge*, | 71 Hammond St. |
| Sharts, Joseph William, | *Dayton, O.* | 125 Mt. Auburn St. |
| Shaw, Francis George, | *Wellesley*, | Little's Block 15. |
| Shaw, Percy Louis, | *Springfield*, | 22 Holyoke St. |
| Sheppard, William Trull, | *Springfield, Mo.* | M. 31. |
| Sides, Walter Herman, | *Portsmouth, N. H.* | W. H. 12. |
| Simpkins, Ralph, | *St. Louis, Mo.* | H'ke 10. |
| Sise, Lincoln Fleetford, | *Medford*, | 396 Harvard St. |

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| Skinner, Roy Churchill, | *Jamaica Plain*, | Forest Hill St., Jamaica Plain. |
| Smith, Clement Lawrence, Jr. | *Cambridge*, | M. 43. |
| Smith, Frederick Phillips, | *Boston*, | H. 28. |
| Smith, Leonard Kingsley, | *Denver, Colo.* | C. 2. |
| Smith, Maxwell Tappan, | *Auburn, Me.* | C. 2. |
| Smith, Philip Lees, | *Worcester*, | 44 Brattle St. |
| Southard, Elmer Ernest, | *Boston*, | T. 1. |
| Sprague, Rufus Bates, | *Boston*, | H. 20. |
| Stafford, Richard Livingston, | *Port Richmond, N. Y.* | M. 23. [Boston. |
| Stanley, Harold King, | *Boston*, | 82 Montgomery St., |
| Stanwood, Francis Manning, Jr. | *Boston*, | Shepherd Block 6. |
| Stebbins, Charles Livingston, | *Tunkhannock, Pa.* | 1611 Mass. Ave. |
| Stevens, Arthur Wesselhoeft, | *Boston*, | H'y 23. |
| Stevenson, Robert Hooper, Jr. | *Boston*, | Little's Block 10. |
| Stickney, Albert, Jr. | *New York, N. Y.* | 35 Bow St. |
| Straus, Percy Selden, | *New York, N. Y.* | Little's Block 3. |
| Street, Arthur Frederic, | *New York, N. Y.* | Beck 44. |
| Sullivan, Daniel, | *Peabody*, | 6 Trowbridge St. |
| Sullivan, James Amory, | *Malden*, | 44 Brattle St. |
| Taylor, Harvey Clinton, | *Haverhill*, | W. H. 41. |
| Thacher, Archibald Gourlie, | *Boston*, | Beck 37. |
| Thompson, Phillips Blagden, | *New York, N. Y* | Claverly 23. |
| Thomson, Frank Graham, | *Merion Station*, | Read's Block 22. |
| Tirrell, James Austin, | *Rockland*, | 32 Mellen St. |
| Touret, Frank Hale, | *Salem*, | T. 62. |
| Truesdell, Waldo Bromley, | *Malden*, | D. 33. |
| Tucker, Raymond, | *Boston*, | W. 30. |
| Tuckerman, Lucius Cary, | *Boston*, | Warland Block 4. |
| Turner, Hunt, | *St. Louis, Mo.* | Claverly 4. |
| Underwood, Loring, | *Belmont*, | H'y 17. |
| Upton, Roger, | *Concord*, | 96 Prescott St. |
| Wadsworth, Richard Goodwin, | *Boston*, | Claverly 25. |
| Wagner, Harry Ulysses, | *Villa Park, Colo.* | C. 57. |
| Walcott, Philip Keyes, | *Concord*, | W. H. 18. |
| Walker, Wallis Dunlap, | *Portsmouth, N. H.* | M. 32. |
| Warren, Charles Henry, | *Brighton*, | 33 Chestnut Hill Ave., Brighton. |
| Warren, Joseph, | *Boston*, | Claverly 32. |
| Waterhouse, Everett Marshall, | *Saco, Me.* | W. 3. |
| Waterman, Howard Wayne, | *Chicago, Ill.* | H. 27. |
| Weatherby, Charles Alfred, | *St. Paul, Minn.* | Wadsworth House 5. |
| Weld, Christopher Minot, | *Jamaica Plain*, | M. 51. |

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| Weld, Francis Minot, | *Jamaica Plain*, | M. 51. |
| Wells, Edgar Huidekoper, | *Boston*, | Claverly 32. |
| West, Stuart Pullman, | *New York, N. Y.* | M. 44. |
| Weston, Gilbert Dodge, | *Beverly*, | G. 44. |
| White, Harold Tredway, | *Brooklyn, N. Y.* | M. 19. |
| Whiting, Charles Frederick, | *Wilton, N. H.* | 96 Prescott St. |
| Whitman, William, Jr. | *Brookline*, | Little's Block 21 |
| Whoriskey, Richard, Jr. | *Cambridge*, | 17 Winter St. |
| Williams, Frederick Smith, | *Waltham*, | 15 Washington Ave., |
| Williams, Harvey Ladew, | *New York, N. Y.* | Beck 32. [Waltham. |
| Williams, Stillman Pierce, | *Roxbury*, | M. 13. |
| Williams, William Taylor Burwell, | *Millwood, Va.* | C. 9. |
| Wilson, Charles Stetson, | *Bangor, Me.* | W. H. 44. |
| Winthrop, Beeckman, | *New York, N. Y.* | Beck 3. |
| Wood, Nathaniel Knight, | *Somerville*, | 40 Laurel St., |
| Wright, Moses Hannibal, A.B. (*Louisville Male High School*) 1890, | *Louisville, Ky.* | [Somerville. 53 Trowbridge St. |
| Wrightington, Edgar Newcomb, | *Brookline*, | H. 9. |
| Wrightington, Sydney Russell, | *Fall River*, | 18 Trowbridge St. |
| Wyman, Bruce, | *Hyde Park*, | H. 21. |
| Zanetti, Enrique Arcadio, | *Matanzas, Cuba*, | W. H. 56. |

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SOPHOMORE CLASS.

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| Abbe, William, | *Washington, D. C.* | D. H. 3. |
| Abbott, James Marland, | *Lowell*, | 11 Sumner St. |
| Adams, Henry, 2d, | *So. Lincoln*, | Claverly 3. |
| Adams, Howard Macy, | *Boston*, | 68 Mt. Auburn St. |
| Adams, John, | *So. Lincoln*, | 44 Brattle St. |
| Adams, Karl, | *Boston*, | 78 Mt. Auburn St. |
| Albright, Raymond King, | *Buffalo, N. Y.* | Ware 35. |
| Allen, Gordon, | *New Brighton, N. Y.* | H. 23. |
| Allen, John Stone, | *Cambridge*, | 2 Phillips Pl. |
| Ames, Frederick Lothrop, | *Boston*, | Claverly 7. |
| Ames, Oakes, | *Boston*, | Ware 48. |
| Appleton, George Decatur, | *Cambridge*, | 19 Ware St. |
| Arnold, Frederick Sherman, | *Poughkeepsie, N. Y.* | 16 Oxford St. |
| Ayres, Charles Hamilton, Jr. | *Rahway, N. J.* | 58 Hammond St. |
| Bacon, Paul Valentine, | *W. Medford*, | W. 23. |
| Bail, John Warren, | *Newton Highlands*, | P. 12. |
| Baker, William Wilson, | *Roxbury*, | P. 85. |

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| Bancroft, Hugh, | *Cambridge*, | 5 Putnam Ave. |
| Barger, Milton Sanford, | *Newport, R. I.* | Beck 27. |
| Barker, LeBaron Russell, | *Plymouth*, | 140 Brattle St. |
| Barker, Roy Morrill, | *Presque Isle, Me.* | 98 Dartmouth St., [Boston. |
| Barnard, Charles Alanson, | *Plattsburgh, N. Y.* | 46 Mt. Auburn St. |
| Barnes, Allan Foster, | *Cambridge*, | P. 8. |
| Barnes, Hector Galloway, | *Fargo, N. D.* | W. H. 15. |
| Barrett, Robert LeMoyne, | *Chicago, Ill.* | W. H. 20. |
| Barstow, James Stewart, | *Gardiner, Me.* | P. 79. |
| Barton, Edmund Blake, | *Worcester*, | T. 13. |
| Bates, Horace Freeman, | *Wollaston*, | C. 59. |
| Battis, James Albert, | *Salem*, | H'ke 23. |
| Beals, George Charles, | *Winchendon*, | G. 20. |
| Beecher, Frederick Lyman, | *Vancouver, B. C.* | W. H. 13. |
| Beggs, William Earle, | *Woburn*, | P. 36. |
| Bennett, Henry James, | *Nashville, Tenn.* | S. 2. |
| Benson, George, | *Cambridge*, | 4 Mercer Circle. |
| Bigelow, Frank Horace, | *Worcester*, | Felton Building 23. |
| Bigelow, Louis Henry, | *Natick*, | T. 60. [Roxbury. |
| Bigelow, Warren Daniels, | *Roxbury*, | 7 St. James St., |
| Blakemore, Arthur Walker, | *Newton*, | 17 Dunster St. |
| Blanchard, Harold, | *Boston*, | Hilton Block 14. |
| Block, Henry Joseph, | *Buffalo, N. Y.* | G. 12. |
| Blood, Charles Rowell, | *Chelmsford*, | 56 Mt. Auburn St. |
| Bonsall, Ward, | *Salem, O.* | P. 34. |
| Bosler, DeWitt Clinton, | *Carlisle, Pa.* | Quincy 5. |
| Boutwell, John Mason, | *Manchester, N. H.* | W. 10. |
| Bouvé, George Winthrop, | *Brookline*, | 27 Holyoke St. |
| Bowditch, Henry Ingersoll, | *Albany, N. Y.* | W. H. 23. |
| Bowker, Horace, | *Boston*, | 5 Linden St. |
| Boyden, Albert Augustus, | *Sheffield, Ill.* | M. 39. |
| Boysen, Johannes Lassen, | *Loitkirkeby, Germ.* | 29 Sacramento St. |
| Brackett, Ransom Davisson, | *Cambridge*, | 70 Wendell St. |
| Bradley, Daniel Henry, | *Somerville*, | 19 Concord Ave., |
| Breed, George Herschel, | *Lynn*, | P. 1. [Somerville. |
| Breed, Melville, | *Lynn*, | P. 1. |
| Breed, Nathaniel Pope, | *Lynn*, | C. 15. |
| Brent, Harry Kelly, | *Lexington, Ky.* | Ware 41. |
| Bristol, Leland Emerson, | *Choteau, Mont.* | 125 Mt. Auburn St. |
| Brooks, Henry Gilbert, | *Milton*, | 28 Holyoke St. |
| Brooks-Rosenthal, Stephen, | *New York, N. Y.* | T. 22. |
| Brown, Laurence Allyn, | *Roxbury*, | W. 16. |

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| Bull, Charles Caldwell, | *Belmont, Cal.* | Little's Block 26. |
| Burdett, Harold Corthell, | *Hingham,* | C't 33. |
| Burke, Francis Ramon, | *Quincy,* | S. 8. |
| Burnett, Vivian, | *Washington, D. C.* | Quincy 11. |
| Burnstine; Henry Charles, | *New York, N. Y.* | 55 Hammond St. |
| Burrage, George Barrett, | *Cambridge,* | W. 49. |
| Bushnell, Henry Davis, | *Plainfield, N. J.* | P. 37. |
| Butler, Lawrence Smith, | *New York, N. Y.* | Ware 7. |
| Butler, Max Lovell, | *Quincy,* | W. 43. |
| Bygrave, Hilary Robert, | *Belmont,* | Little's Block 29. |
| Cabot, Norman Winslow, | *Brookline,* | 27 Holyoke St. |
| Carleton, Richard High, | *Brookline,* | Little's Block 6. |
| Carpenter, Hubbard Foster, | *Chicago, Ill.* | M. 12. |
| Carr, Ashton Livermore, | *Melrose,* | C. 47. |
| Carris, Lewis H., | *Cambridge,* | 438 Green St. |
| Carter, Almy Morrill, | *Woburn,* | P. 14. |
| Carter, Frank Burtchaell, | *Boston,* | 110 Dartmouth St., |
| Carter, Hubert Lazell, | *W. Newton,* | W. H. 7. [Boston. |
| Carter, Richard Burrage, | *W. Newton,* | W. H. 7. |
| Case, Charles Edward, | *Plainfield, N. J.* | C't 34. |
| Case, Frederick Teague, | *Plainfield, N. J.* | C't 34. |
| Chalfin, Paul, | *New York, N. Y.* | H'y 21. |
| Chandler, Whitman Mitchell, | *Jamaica Plain,* | W. 17. |
| Childs, Herbert Howard, | *New York, N. Y.* | Ware 30. |
| Chipman, Richmond Lane, | *Dorchester,* | P. 54. |
| Chisholm, Frederick George, | *Winthrop,* | 1134 Mass. Ave. |
| Clark, Edward Palmer, | *New York, N. Y.* | 1727 Cambridge St. |
| Clark, John Calvin Lawrence, | *Lancaster,* | G. 40. |
| Clark, John Taggart, | *Roxbury,* | 25 Church St. |
| Cleveland, Henry Davenport, | *New York, N. Y.* | 12 Oxford St. |
| Colgate, Charles Henry, Jr. | *Somerville,* | 92 Glen St., |
| Colton, Henry Seymour, 2d, | *Calumet, Mich.* | G. 7. [Somerville. |
| Connolly, William Edward, | *Cambridge,* | 56 Amory St. |
| Cooper, Frank Rogers, | *Dorchester,* | 22 Mt. Auburn St. |
| Copeland, Edgar Marshall, | *Campello,* | 59 Harris St. |
| Cordova, Julian Dana de, | *Lincoln,* | C't 27. |
| Cottle, Henry Edmund, | *Randolph,* | T. 25. |
| Cozzens, George Freeman, | *Newport, R. I.* | H'ke 4. |
| Crocker, Frank Longfellow, | *Portland, Me.* | H'ke 13. |
| Crocker, Jacob Reese, | *New York, N. Y.* | Ware 12. [Boston. |
| Cronin, Charles Henry, | *Boston,* | Hyde Park Ave., |
| Cunniff, Michael James Glen, | *Roxbury,* | 20 W. Walnut Park, |
| Cunningham, Atkins Buie, | *Baltimore, Md.* | P. 26. [Roxbury. |

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| Curtis, Benjamin Robbins, | *Cambridge*, | 25 Holyoke St. |
| Curtis, Ellicott Douglass, | *New York, N. Y.* | Shepherd Block 5. |
| Curtis, Frazier, | *Boston*, | Ware 38. |
| Cutter, Charles Winthrop, | *Brookline*, | Hilton Block 9. |
| Cutting, Edwin Warren, | *Worcester*, | T. 13. |
| Dalton, Philip Spaulding, | *Boston*, | Wadsworth House 7. |
| Dana, Charles Clayton, | *Chicago, Ill.* | Little's Block 19. |
| Davenport, Howard Hittenger, | *Chicago, Ill.* | 5 Felton St. |
| Davis, Albert Watson, | *Boston*, | P. 50. |
| Davis, Malcolm Brooks, | *Cambridge*, | G. 16. |
| Davis, Ralph Sylvester, | *Waverley*, | Waverley. |
| Dearborn, Erastus Phillips A.B. (*Univ. of Washington*) 1895, | *Galena, Wash.* | 1699 Cambridge St. |
| De Laittre, Karl, | *Minneapolis, Minn.* | W. H. 15. |
| Denison, John Avery, | *Springfield*, | P. 84. |
| DeNormandie, Robert Laurent, | *Roxbury*, | W. 17. |
| Dexter, Lemuel LeBaron, | *Mattapoisett*, | 6 Irving Pl. |
| Dexter, Smith Owen, | *Providence, R. I.* | 96 Prescott St. |
| Dilley, Arthur Urbane, | *Wilkes Barre, Pa.* | H. 32. |
| Dobyns, Fletcher, | *Oberlin, O.* | S. 23. |
| Doe, Robert, | *Rollinsford, N. H.* | 58 Hammond St. |
| Donaldson, William Rhind, Jr. | *St. Louis, Mo.* | C't 45. |
| Dorman, William Edwin, | *Lynn*, | S. 22. |
| Dove, Percival, | *Andover*, | Hilton Block 13. |
| Du Bois, Arthur, | *W. New Brighton, N. Y.* | M. 23. |
| Dunlop, John William, | *Cambridge*, | 1270 Mass. Ave. |
| Dunn, Robert Steed, | *Newport, R. I.* | W. 29. |
| Dutton, Richard, | *Wakefield*, | G. 20. |
| Dyer, Henry Bradford, | *Cambridge*, | 25 Mt. Pleasant St. |
| Edmunds, John Winthrop, | *Wellesley Hills*, | M. 8. |
| Edson, John Wells, | *Roxbury*, | T. 12. |
| Edwards, Edmund Baker, | *Milton*, | 1256 Mass. Ave. |
| Emmet, Grenville Temple, | *New Rochelle, N. Y.* | 60 Mt. Auburn St. |
| Emmons, Arthur Brewster, 2d, | *Brookline*, | Hilton Block 19. |
| Fales, Lewis Adams, | *Thomaston, Me.* | 2 Hudson St. |
| Feiss, Henry Otto, | *Cleveland, O.* | P. 70. |
| Ffoulke, Horace Cushing, | *Washington, D. C.* | M. 24. |
| Field, Tylor, | *Cincinnati, O.* | Claverly 49. |
| Finlay, George Irving, | *Brooklyn, N. Y.* | 22 Shepard St. |
| Fisher, Richard Thornton, | *Berkshire*, | P. 46. |
| Flagg, Charles Jewett, | *Holliston*, | C't 30. |
| Flershem, Rudolph Byford, | *Chicago, Ill.* | M. 42. |
| Flint, John, | *Brookline*, | H'ke 47. |

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| Fordyce, Samuel Wesley, Jr. | *St. Louis, Mo.* | H'ke 27. |
| Foster, Herbert Ira, | *Brookline,* | 25 Holyoke St. |
| Foster, Lindsey King, | *Arlington,* | P. 81. |
| Fowler, Henry Wood, | *Worcester,* | P. 53. |
| Fox, Edward Winslow, | *Portland, Me.* | 473 Broadway. |
| French, Charles Howe, | *Canton,* | W. 28. |
| Frost, Samuel Tufts, | *Boston,* | P. 6. |
| Fuller, Samuel Lester, | *Boston,* | W. H. 33. |
| Fullerton, Edward Dwight, | *Brockton,* | H. 10. |
| Furness, James Thwing, | *Chicago, Ill.* | M. 1. |
| Gale, Harold Adams, | *Chicago, Ill.* | P. 31. |
| Gardner, Perley, | *Exeter, N. H.* | 30 Wallace St. |
| Gardner, William McClintock, | *Andover,* | W. 27. |
| Garland, Frederick Eugene, | *Gardner,* | 96 Prescott St. |
| Garland, Francis Paul, | *Somerville,* | 26 Tyler St., Somerville. |
| Gaw, Cooper, | *Easton, Pa.* | 125 Mt. Auburn St. |
| Gerteis, Louis, | *Wichita, Kans.* | C. 26. [Waltham. |
| Gibbs, John Mellen, Jr. | *Waltham,* | 15 Church St., |
| Gierasch, Paul Francis Julius, | *W. Hampton, N. Y.* | C. 54. |
| Gifford, Arthur Poole, | *Salem,* | H'ke 23. |
| Giles, George Anson, | *Apalachin, N. Y.* | 438 Green St. |
| Gillespie, Lawrence Lewis, | *New York, N. Y.* | Ware 32. |
| Ginn, Maurice Edwin, | *Cambridge,* | M. 26. |
| Goodrich, David Marvin, | *Akron, O.* | Claverly 37. |
| Goodrich, Roy Sela, | *Phoenix, Ariz.* | 96 Prescott St. |
| Goodridge, Frederic Grosvenor, | *New York, N. Y.* | 60 Brattle St. |
| Goodridge, Frederick James, | *Cambridge,* | 1705 Mass. Ave. |
| Gould, Carl Frelinghuysen, | *Tarrytown, N. Y.* | W. H. 40. |
| Gray, William Holder, Jr. | *Dorchester,* | W. 15. |
| Graydon, Joseph Spenser, | *Cincinnati, O.* | C't 29. |
| Green, Edward James, | *Jamestown, N. Y.* | 34½ Shepard St. |
| Green, Winthrop Darius, | *Washington, D. C.* | 16 Oxford St. |
| Greenhalge, Frederic Brandlesome, | *Lowell,* | P. 38. |
| Greenough, Chester Noyes, | *Wakefield,* | T. 25. |
| Greenough, Malcolm Scollay, Jr. | *Cleveland, O.* | Ware 38. |
| Grilk, Charles, | *Davenport, Ia.* | S. 23. |
| Guillow, Louis Ezra, | *Gilsum, N. H.* | S. 2. |
| Gulick, James Gordon, | *San Sebastian, Spain,* | C. 62. |
| Gurney, Melvin Knowles, | *Brockton,* | M. 60. |
| Hack, Harold Wright, | *Taunton,* | G. 6. |
| Hagerman, George Franklin, | *Lowell,* | C. 57. |
| Hall, Frank York, | *Roxbury,* | T. 52. |

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| Hall, Gardner Wells, | *Newton*, | C't 8. |
| Halle, Arthur Jay, | *Cleveland, O.* | P. 70. |
| Hanavan, George Bernard, | *Buffalo, N. Y.* | 1734 Cambridge St. |
| Hanson, Fernald Lester, | *Somerset*, | C. 69. |
| Hardenbrook, Frederick Lampman, | *Jamaica, N. Y.* | S. 24. |
| Hardwick, Charles Henry, | *Quincy*, | Quincy. |
| Harper, Fletcher, | *New York, N. Y.* | Claverly 37. |
| Harrington, Wentworth Lewis, | *New York, N. Y.* | P. 67. |
| Hart, Richard Huson, | *Denver, Colo.* | 40 Kirkland St. |
| Hartshorn, Stewart Henry, | *Short Hills, N. J.* | C't 37. |
| Haskell, Guy Butler, | *Newton*, | M. 35. |
| Hatch, William Henry Paine, | *So. Hartford, N. Y.* | C. 69. |
| Hawkes, Charles Eleazer, | *Portland, Me.* | C't 9. |
| Hayes, Bartlett Harding, | *Jamaica Plain*, | H'y 2. |
| Hayward, Philip, | *Cambridge*, | C't 24. |
| Healey, William Clair Stanislaus, | | [E. Boston. |
| A.B. (*Boston Coll.*) 1895, | *E. Boston*, | 193 Webster St., |
| Hecht, Simon Elias, | *Boston*, | Ware 34. |
| Henderson, Lawrence Joseph, | *Salem*, | P. 15. |
| Hendrick, Frank, | *Boston*, | G. 3. |
| Hennen, William Davison, | *Westchester, N. Y.* | 1137 Mass. Ave. |
| Higginson, Alexander Henry, | *Boston*, | Wadsworth House 7. |
| Hill, Donald Mackay, | *Brookline*, | 25 Holyoke St. |
| Hill, Ernest Lawrence, | *Brookline*, | Read's Block 26. |
| Hinman, George Walker, | *No. Reading*, | C. 10. |
| Hoague, Theodore, | *Boston*, | Ware 47. |
| Holden, Willard Malcolm, | *Kansas City, Mo.* | 20 Prescott St. |
| Hollis, Samuel Hudson, | *Lynn*, | P. 24. [Boston. |
| Holmes, George Merrick Rice, | *Boston*, | 229 Marlborough St., |
| Holt, Harrison Jewell, | *Denver, Colo.* | 42 Kirkland St. |
| Holt, William Abernethy, Jr. | *New London, Conn.* | P. 13. |
| Holway, Arthur Huntington, | *Worcester*, | T. 63. |
| Hooper, Henry True, | *Portland, Me.* | C't 9. |
| Hosmer, Louis Holyoke, | *Washington, D. C.* | 9 Linden St. |
| Hovey, Charles Henry, | *Boston*, | 17 Mt. Auburn St. |
| Howard, Arthur Henry, | *Hyde Park*, | T. 59. |
| Howland, George Wendall, | *Sandwich*, | 421 Broadway. |
| Hoyt, William Welles, | *Cambridge*, | 10 Hilliard St. |
| Hubbard, Frederic Tracy, | *Cambridge*, | Hilton Block 24. |
| Hubbard, Joseph Edwards, | *Charleston, S. C.* | 1200 Mass. Ave. |
| Hubbard, Paul Mascarene, | *Boston*, | M. 24. |
| Huidekoper, Reginald Shippen, | *Washington, D. C.* | Ware 21. |
| Huiskamp, John Edabduel, | *Keokuk, Ia.* | W. 21. |

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| **Hunt,** Richard Harold, | *W. Newton,* | P. 41. |
| Hunter, Herbert Colman, | *So. Natick,* | 61 Oxford St. |
| Huntington, Howard Rowland, | *Sandusky, O.* | 125 Mt. Auburn St. |
| Hurt, George Fletcher, | *Atlanta, Ga.* | 10 Remington St. |
| Hyde, Frederick Erastus, Jr. | *New York, N. Y.* | 467 Broadway. |
| Hyde, James Hazen, | *New York, N. Y.* | Claverly 9. |
| Ingraham, Phoenix, | *New York, N. Y.* | Claverly 8. |
| Jackson, Charles, | *Boston,* | 28 Holyoke St. |
| Jackson, Carl Newell, | *Dorchester,* | P. 54. |
| Jackson, William Harold, | *Newtonville,* | C't 41. |
| Jacobs, Allen, | *Cambridge,* | 19 Pleasant St. |
| Jewell, Walter Orwell, | *Lawrence,* | 2 Gorham St. |
| Johnson, Erik St. John, | *E. Braintree,* | W. 41. |
| Johnson, Reginald Mansfield, | *Andover,* | Hilton Block 3. |
| Johnson, William Allen, | *Bridgewater,* | 421 Broadway. |
| Jordan, Frederick, | *Philadelphia, Pa.* | Ware 9. |
| Keene, Charles Herbert, | *Allston,* | 47 Mansfield St., |
| Kelly, Nathan Spaulding, | *Boston,* | P. 6. [Allston. |
| Kennedy, Frank Alexander, | *Medford,* | M. 30. |
| Kennett, John Durand, | *Chicago, Ill.* | Beck 41. |
| Kilbreth, John William, Jr. | *Southampton, N. Y.* | Ware 10. |
| Kimball, Lemuel Cushing, Jr. | *Boston,* | P. 28. |
| Kimball, William Otis, | *Roxbury,* | T. 16. |
| Kimberly, Samuel Charles, | *Saginaw, Mich.* | 1168 Mass. Ave. |
| King, Cyril Norman, | *Jamaica, W.I.* | 56 Plympton St. |
| Kinnicutt, Gustav Herman, | *New York, N. Y.* | W. 13. |
| Knox, James Lloyd, | *Newtonville,* | W. H. 51. |
| Lane, John Beach, | *St. Louis, Mo.* | C't 19. |
| Lansing, John Ernest, | *Cambridge,* | 1034 Mass. Ave. |
| Leavitt, George William, | *Cambridge,* | 5 Warland St. |
| Leen, Thomas Francis, | *Charlestown,* | T. 23. |
| Legg, Arthur Thornton, | *Chelsea,* | M. 15. |
| Lentz, Oliver Granville, | *Fleetwood, Pa.* | D. 37. |
| Liebmann, Charles Joseph, | *New York, N. Y.* | 20 Prescott St. |
| Ling, Louis Chauncy, | *Detroit, Mich.* | 16 Story St. |
| Little, John Mason, Jr. | *Boston,* | 1208 Mass. Ave. |
| Lloyd, William Bross, | *Winnetka, Ill.* | T. 27. |
| Logan, Edward Lawrence, | *Boston,* | P. 40. |
| Long, Percy Waldron, | *Philadelphia, Pa.* | G. 31. |
| Loud, John Adams, | *Chelsea,* | W. 45. |
| Lunt, Horace Fletcher, | *Colorado Springs, Colo.* | T. 27. |
| McBurney, Henry, | *New York, N. Y.* | 9 Linden St. |
| McDaniel, Arthur Sumner, | *Newton Centre,* | M. 59. |

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| McIntyre, William Gordon Stuart, | *Milton*, | G. 34. |
| McPherson, Ross, | *Cambridge*, | M. 46. |
| McVey, John Rankin, | *So. Boston*, | G. 34. |
| Mahon, Edward, | *Ottumwa, Ia.* | 42 Kirkland St. |
| Malone, Edward Sylvester, | *Fitchburg*, | 61 Gorham St. |
| Manning, Charles Frederick, | *Cambridge*, | 398 Putnam Ave. |
| Mansfield, Walter Ralph, | *Boston*, | S. 28. |
| Mark, Kenneth Lamartine, | *Cambridge*, | 109 Irving St. |
| Marks, Arthur Moss, | *Meridian, Miss.* | Ware 28. |
| Marsten, Joseph Freeman, | *Columbus, O.* | 35 Trowbridge St. |
| Marvin, Langdon Parker, | *Albany, N. Y.* | W. H. 48. |
| Mason, Howard Curry, | *Boone, Ia.* | W. H. 14. |
| Maynard, Effingham, Jr. | *New York, N. Y.* | 5 Linden St. |
| Maynard, Richard Field, | *Utica, N. Y.* | 42 Kirkland St. |
| Meade, Alfred Penrhyn, 2d, | *Croton Falls, N. Y.* | Read's Block 20. |
| Metcalf, George Putnam, | *St. Paul, Minn.* | P. 76. |
| Millard, Ezra, | *Omaha, Neb.* | Warland Block 15. |
| Millard, Everett Lee, | *Highland Park, Ill.* | H'ke 28. |
| Millard, Herbert Eugene, | *Waltham*, | 57 Wadsworth Ave., [Waltham. |
| Millett, Frederic Strickland, | *Beverly*, | P. 64. |
| Morgan, Charles Eldridge, 3d, | *Germantown, Pa.* | M. 54. |
| Morrill, Samuel, | *Boston*, | H'ke 9. |
| Morse, Herbert Richardson, | *Boston*, | T. 46. |
| Morse, Tyler, | *Boston*, | Ware 27. |
| Murphy, Daniel Fenton, | *Thompsonville, Conn.* | 58 Mt. Auburn St. |
| Naumburg, George Washington, | *New York, N. Y.* | C't 16. |
| Newhall, Albert Hitchings, | *E. Saugus*, | E. Saugus. |
| Newhall, Guy, | *Lynn*, | S. 22. |
| Nichols, Humphrey Turner, | *Boston*, | Manter 1. |
| Nichols, Nathaniel Goldsmith, | *Salem*, | M. 46. |
| Odde, John Alvin Lawson, | *Cambridge*, | 16 Lake St. |
| Otis, William Kitchen, | *Chicago, Ill.* | M. 1. [Somerville. |
| Packard, Frederick Henry, | *Somerville*, | 25 Warren Ave., |
| Packard, Herbert Sumner, | *W. Bridgewater*, | G. 52. |
| Palfrey, Francis Winslow, | *Belmont*, | G. 22. |
| Palmer, Potter, Jr. | *Chicago, Ill.* | Claverly 19. |
| Park, Lawrence, | *Groton*, | 24 Holyoke St. |
| Parke, Ramond Tasker, | *Lynn*, | P. 2. |
| Parkhurst, Laurence Henry, | *Cambridge*, | 45 Dana St. |
| Parrott, Alfred Francis, | *Worcester*, | 6 Trowbridge St. |
| Parsons, Percy Fowler, | *Somerville*, | 18 Crescent St., [Somerville. |
| Patterson, Henry Sells, | *Ripley, O.* | S. 24. |
| Payson, Charles Clifford, | *Brookline*, | Hilton Block 32. |

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| Perkins, James Handasyd, | *Milton*, | 1208 Mass. Ave. |
| Perkins, Norton, | *New York, N. Y.* | Ware 23. |
| Pettijohn, George, | *Cambridge*, | M. 10. |
| Philbrick, Hazen Pierce, | *Cambridge*, | 38 Putnam Ave. |
| Phillips, Eben Fenimore, | *So. Dennis*, | W. 24. |
| Pickhardt, Ernest Wilhelm Sutton, | *New York, N. Y.* | Hilton Block 35. |
| Pierce, Starr MacGregor, | *Cambridge*, | 43 Dana St. |
| Pierson, Ralph, | *Omaha, Neb.* | G. 15. |
| Pilling, Arthur Thomas, | *Washington, D. C.* | P. 11. |
| Pitman, Edward Franklin, | *Salem*, | P. 15. |
| Player, Preston, | *Worcester*, | Ware 25. |
| Porter, William Howard, | *Concord, N. H.* | 13 Wendell St. |
| Powers, Edward Dennis, | *Brockton*, | M. 60. |
| Prentiss, John Wing, | *Bangor, Me.* | Ware 41. |
| Prescott, Henry Dudley, | *New Bedford*, | W. 35. |
| Prouty, George Selby, | *Spencer*, | M. 49. |
| Putnam, George Ralph, | *Chelsea*, | M. 15. |
| Rand, Waldron Holmes, Jr. | *Dorchester*, | M. 8. |
| Read, Landon Cabell, | *Houston, Tex.* | H'ke 24. |
| Redpath, Léon Wallace, | *Newtonville*, | W. H. 51. |
| Reed, Franklin Weld, | *Dorchester*, | W. 15. |
| Reed, Howard Alden, | *Brooklyn, N. Y.* | P. 58. [Roxbury. |
| Reed, William Howell, Jr. | *Roxbury*, | 81 Walnut Ave., |
| Regan, Charles Francis, | *E. Cambridge*, | 174½ Spring St. |
| Reynolds, Arthur Warren, | *Cambridgeport*, | 126 Green St. |
| Rice, Alexander Hamilton, 2d, | *Boston*, | 30 Holyoke St. |
| Rice, John Clark, | *Boston*, | 30 Holyoke St. |
| Richards, Henry Howe, | *Gardiner, Me.* | P. 79. |
| Riggs, Austen Fox, | *New York, N. Y.* | Ware 7. |
| Roberts, Hiram Hall, | *Youngstown, O.* | 67 Oxford St. |
| Roberts, William Frederick, | *Roxbury*, | 12 Brookford St., |
| Robertson, Carl Trowbridge, | *Cleveland, O.* | P. 21. [Roxbury. |
| Robinson, Beverley Randolph, | *New York, N. Y.* | Little's Block 14. |
| Robinson, Ernest William, | *Mount Vernon, N. H.* | 4 Arrow St. |
| Robinson, Herman Foster, | *New York, N. Y.* | Little's Block 14. |
| Robinson, Samuel, | *Boston*, | H'y 10. |
| Ross, Harry Francis, | *Bangor, Me.* | Ware 3. |
| Rust, Paul Drummond, | *Cambridge*, | Claverly 31. |
| Sanborn, Edwin Luther, Jr. | *Boston*, | H'ke 6. |
| Sanders, Arthur Lord, | *Salem*, | Manter 4. |
| Sawyer, Philip Brett, | *Brookline*, | T. 12. |
| Scott, Hugh Davids, | *Philadelphia, Pa.* | Claverly 35. |
| Sears, Harry Franklin | *Somerville*, | G. 52. |

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| Sears, Loring Putnam, | *Cambridge*, | 16 Avon St. |
| Shaw, Edward Pearce, | *W. Medford*, | F. 3. |
| Shaw, James Ebenezer Norton, | *Mattapoisett*, | S. 4. |
| Shea, Daniel James Joseph, | *Boston*, | H. 4. |
| Shepard, Edward Olcott, Jr. | *Newburyport*, | H'ke 40. |
| Sherburne, Andrew Edward, | *Roxbury*, | 1132 Mass. Ave. |
| Skerrye, William Frederick, | *Provincetown*, | C. 7. |
| Slade, Charles Parker, | *Quincy*, | W. 24. |
| Smith, Curtis Nye, | *Newton*, | Newton. |
| Smith, Harry Shepherd, | *Springfield*, | P. 88. |
| Smith, St. John, | *Portland, Me.* | Read's Block 14. |
| Smith, Vine Harold, | *Hanover, Conn.* | C. 54. |
| Southworth, Edward Franklin, | *Quincy*, | T. 18. |
| Spencer, Arthur Weightman, | *Brookline*, | S. 22. |
| Sprague, Albert Arnold, 2d, | *Chicago, Ill.* | 20 Holyoke St. |
| Sprague, James Herbert, | *Charlestown*, | 407 Main St., Charlestown. |
| Stackpole, Pierpont Langley, | *Cambridge*, | 1599 Mass. Ave. |
| Stackpole, William, 2d, | *Boston*, | 52 Mt. Auburn St. |
| Stanley, Harry Rufus, | *Lawrence*, | Felton Building 21. |
| Starbuck, Eric Arthur, | *Andover*, | C. 48. |
| Stearns, Robert Thomas, | *Roxbury*, | 48 Wendell St. |
| Stensland, Theodore, | *Chicago, Ill*, | Ware 31. |
| Sterling, Frederic Augustine, 2d, | *St. Louis, Mo.* | Beck 31. |
| Stevens, Edmund, | *Cambridge*, | H'y 17. |
| Stillman, Charles Chauncey, | *New York, N. Y.* | Beck 22. |
| Stone, Benjamin Heywood, | *Worcester*, | M. 38. |
| Stone, Frank Victor, | *Cambridge*, | P. 10. |
| Stone, Melville Edwin, Jr. | *Glencoe, Ill.* | Little's Block 22. |
| Stone, Robert Bowditch, | *Boston*, | Hilton Block 33. |
| Stout, Ralph, | *Brooklyn, N. Y.* | C. 10. |
| Stowell, Ellery Cory, | *Lexington*, | M. 47. |
| Sullivan, John Benjamin, Jr. | *Taunton*, | T. 39. |
| Sulloway, Richard Woodbury, | *Franklin, N.H.* | Lerner Building 6. |
| Swann, John Butler, | *Stockbridge*, | 25 Holyoke St. |
| Taft, Stephen Swift, Jr. | *Springfield*, | W. H. 43. |
| Taylor, Charles Valentine, | *Boston*, | 31 Gloucester St., [Boston. |
| Teevens, John Joseph, Jr. | *So. Boston*, | W. H. 45. |
| Thomas, Arthur Frank Stockdale, | *Salt Lake City, Utah*, | P. 35. |
| Thompson, Frederick Henry, Jr. | *Fitchburg*, | M. 29. |
| Thurston, Edward Sampson, | *New York, N. Y.* | Claverly 40. |
| Tilden, Calvin Sylvester, | *So. Hanover*, | P. 50. |
| Tirrell, Edwin Van Deusen, | *Hyde Park*, | H'ke 12. |

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| Tobey, George Oakes, Jr. | *Augusta, Me.* | W. H. 43. |
| Tonjoroff, Svetozar Ivan, | *Philippopolis, Bulgaria,* | 24 Mt. Auburn St. |
| Tonks, Oliver Samuel, | *Malden,* | T. 51. |
| Towner, John De Koven, | *Chicago, Ill.* | M. 3. |
| Trapp, Richard Alfred, | *Cambridge,* | 1560 Cambridge St. |
| Underhill, Samuel Graham, | *Somerville,* | 17 Gilman St., Somerville. |
| Utter, Robert Palfrey, | *Salt Lake City, Utah,* | 1256 Mass. Ave. |
| Valentine, Joseph Loring, | *Dorchester,* | W. 16. |
| Valentine, Langdon Barrett, | *New York, N. Y.* | Claverly 30. |
| Vaughan, Frank Apthorp, | *Cambridge,* | P. 46. |
| Vincent, Beth, | *Ft. Dodge, Ia.* | 42 Kirkland St. |
| Vincent, William Howard, | *Winthrop,* | T. 62. |
| Vose, Louis Ellis, | *Jamaica Plain.* | Hilton Block 8. |
| Wadsworth, Eliot, | *Boston,* | Hilton Block 19. |
| Waldo, Fullerton Leonard, | *Bridgeport, Conn.* | P. 39. |
| Wallace, Allen, | *New York, N. Y.* | Claverly 1. |
| Ward, George Cabot, | *New York, N. Y.* | Warland Block 5. |
| Wardwell, Henry Fitch, | *Salem,* | T. 50. |
| Warner, Roger Sherman, | *Cambridge,* | 25 Holyoke St. |
| Waterhouse, William Eben, | *Melrose,* | H. 1. |
| Waters, Edward Austin, | *Philadelphia, Pa.* | M. 54. |
| Watson, George Holdrege, | *Milton,* | 35 Bow St. |
| Weaver, William Edgar, | *Saxton, Pa.* | C. 44. |
| Wells, Philip Bartlett, | *Plainfield, N. J.* | 1727 Cambridge St. |
| Welsh, Julian Palmer, | *New York, N. Y.* | Claverly 10. |
| Westcott, Frank Perley, | *White Rock, Me.* | S. 6. |
| Weston, George Benson, | *Cambridge,* | 81 Oxford St. |
| Wheelock, William Hawxhurst, | *New York, N. Y.* | Ware 2. |
| White, Frank Chute, | *So. Boston,* | P. 12. |
| Whitford, Robert Atwood, | *Waltham,* | P. 82. |
| Whitney, Louis Lincoln, | *Lincoln,* | C. 25. |
| Whitney, Richard Merrill, | *Andover,* | W. 9. |
| Wilder, Henry Jason, | *Sunderland,* | H. 18. |
| Williams, Creighton Hamilton, | *Fort Wayne, Ind.* | Ware 51. |
| Wilson, Francis Cushman, | *Winchester,* | P. 18. |
| Winchester, Frank, | *Portsmouth, N. H.* | 410 Harvard St. |
| Wood, Clement Biddle, | *Philadelphia, Pa.* | H'ke 38. |
| Wood, Howard, Jr. | *Philadelphia, Pa.* | H'ke 38. |
| Wood, John Freeman, | *Arlington,* | P. 81. |
| Wood, Nathan Robinson, | *Boston,* | S. 15. |
| Woods, Carlton Magoun, | *Boston,* | M. 36. |
| Woodward, William, | *New York, N. Y.* | Claverly 3. |

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| Wormelle, Wilson Ward, | *Brighton*, | 6 Menlo St., Brighton. |
| Wright, Charles Irving, | *Rockland*, | Hilton Block 30. |
| Wright, Frederick Richter, | *Aspen, Colo.* | Quincy 2. |
| Wyman, Frank, 2d, | *St. Louis, Mo.* | 26 Garden St. |

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|---|---|---|
| Adams, Arthur, | *Quincy*, | 26 Holyoke St. |
| Adams, Charles Perkins, | *Cambridge*, | 45 Oxford St. |
| Adams, George Edward, | *Quincy*, | C. 43. |
| Adams, Hugh White, Jr. | *Yonkers, N. Y.* | G. 30. |
| Adams, Lawrence Page, | *New York, N. Y.* | Quincy 4. |
| Alexander, Edward Franklin, | *Cincinnati, O.* | 14 Howland St. |
| Alexander, Thornton Stanwood, | *Boston*, | D. 13. |
| Alexandre, Francis Victor, | *New York, N. Y.* | 379 Harvard St. |
| Alger, Frederick Moulton, | *Detroit, Mich.* | |
| Allen, Herbert Ira, | *Portland, Me.* | C. 52. |
| Andrews, Robert Eaton, | *Cambridge*, | 1044 Mass. Ave. |
| Arvedson, George Clarence, | *Salem*, | C. 3. |
| Auten, Peter, | *Princeville, Ill.* | C. 46. |
| Averell, James George, | *Rochester, N. Y.* | 7 Linden St. |
| Bacon, James Flynt, | *No. Cambridge*, | 80 Garfield St. |
| Baker, George Fisher, Jr. | *New York, N. Y.* | Warland Block 12. |
| Baker, Leslie Talbot, | *Boston*, | 68 Mt. Auburn St. |
| Baker, Roy Ball, | *Auburndale*, | 25 Holyoke St. |
| Baldwin, Charles Edward, | *Cambridge*, | 197 Auburn St. |
| Bale, Harold Pulsifer, | *Melrose*, | Melrose. |
| Bancroft, Griffing, | *San Francisco, Cal.* | 96 Brattle St. |
| Bancroft, Paul, | *San Francisco, Cal.* | 96 Brattle St. |
| Barker, Henry Francis, | *Quincy*, | G. 39. |
| Barker, Herbert William, | *Quincy*, | C't 43. |
| Barron, John Conner, Jr. | *Tarrytown, N. Y.* | 1746 Cambridge St. |
| Barstow, Ezra Baker, | *Dorchester*, | 28 Holyoke St. |
| Barstow, Rogers Lewis, Jr. | *Dorchester*, | 28 Holyoke St. |
| Bartlett, Henry Lincoln, | *Boston*, | 57 Allen St., Boston. |
| Batchelder, John Thiery, | *So. Boston*, | 930 Fourth St., |
| Batchelder, Samuel Henry, | *Salem*, | C't 14. [So. Boston. |
| Beaman, Middleton Goldsmith, | *Poultney, Vt.* | 43 Irving St. |
| Becker, William Dee, | *St. Louis, Mo.* | H'ke 41. |
| Beckwith, Edwin Burt, | *Washington, D. C.* | 12 Howland St. |

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| **Bellows, Robert Peabody,** | *Boston,* | 1208 Mass. Ave. |
| Belt, Edward Jones, | *So. Boston,* | P. 85. |
| Benner, Richard Stanwood, | *Waldoboro, Me.* | M. 56. |
| Best, Louis Albert, | *St. Louis, Mo.* | 6 Story St. |
| Bidwell, Raymond Austin, | *Springfield,* | P. 84. |
| Bigelow, Horatio, | *Boston,* | 31 Holyoke St. |
| Birge, Morton Burdett, | *Haverhill,* | 19 Irving St. |
| Blackwell, Howard Lane, | *E. Orange, N.J.* | 11 Quincy St. |
| Blauvelt, William Gove, | *Virginia City, Nev.* | 55 Trowbridge St. |
| Blood, Charles Winthrop, | *Auburndale,* | 39 Dana St. |
| Bloom, Aaron Leopold, | *Chicago, Ill.* | Ware 33. |
| Bond, Thomas, | *Baltimore, Md.* | 4 Arrow St. |
| Boody, Edgar, | *Brooklyn, N. Y.* | 381 Harvard St. |
| Bouvé, Clement Lincoln, | *Cambridge,* | 27 Everett St. |
| Bowler, George Pendleton, | *Boston,* | Claverly 13. |
| Bramhall, Thomas Long, | *Cambridge,* | 113 Moreland St. |
| Branch, Alonzo Edwin, | *Malden,* | Hotel Vendome, Boston. |
| Brannan, Frank Doddridge, | *Cincinnati, O.* | Hilton Block 18. |
| Brayton, Percy Shields, | *Somerville,* | 69 Oxford St., Somerville. |
| Brewster, Robert Boyes, | *Georgetown,* | Felton Building 35. |
| Brice, John Francis, | *Lima, O.* | Beck 36. |
| Brooks, Edwin Deering, | *Dedham,* | G. 41. |
| Brooks, John Edward, | *Milton,* | Hilton Block 37. |
| Brooks, Lyman Warren, | *Cambridge,* | 21 Lee St. |
| Brown, Edward Bangs, | *W. Medford,* | H'ke 45. |
| Brown, Frederic Nelson, | *Charlestown,* | 32 High St., Charlestown. |
| Brown, Philip Lamson, | *Belmont,* | Read's Block 6. |
| Brown, Reginald Woodman Plummer, | *Newtonville,* | W. 54. |
| Brown, Winthrop Edward, | *Troy, N. Y.* | Hilton Block 15. |
| Browne, George Albert, | *Tacoma, Wash.* | Read's Block 32. |
| Bryant, Fred Kirk, | *W. Somerville,* | 40 Dover St., W. Somerville. |
| Burlingame, Howard Benjamin, | *Cambridge,* | 2217 Mass. Ave. |
| Burnham, Harry Lionel, | *Gloucester,* | 381 Harvard St. |
| Burnham, Roger Noble, | *Boston,* | 94 Prescott St. |
| Burrage, Paul, | *Chestnut Hill,* | 1727 Cambridge St. |
| Burrill, Perry Lawton, | *Rockland,* | 24 Mt. Auburn St. |
| Burton, Ward Cotton, | *Deephaven, Minn.* | M. 37. |
| Butler, Charles Stewart, | *New York, N. Y.* | Ware 4. |
| Campbell, Allan Reuben, | *Youngstown, O.* | 67 Oxford St. |

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| Campbell, James McDougal, | *Evanston, Ill.* | W. H. 8. |
| Carleton, Philip Greenleaf, | *Lawrence,* | C't 1. |
| Carlton, Otis Johnson, | *Haverhill,* | Felton Building 35. |
| Carr, Charles Lancaster, | *Dorchester,* | 13 Everett St., |
| Carter, William Walcott, | *Newtonville,* | T. 40. [Dorchester. |
| Catlin, Daniel Kayser, | *St. Louis, Mo.* | Claverly 2. |
| Catlin, Theron Ephron, | *St. Louis, Mo.* | Claverly 2. |
| Chapman, Louis Raymond, | *Fitchburg,* | T. 28. |
| Chase, Sidney Marsh, | *Haverhill,* | 19 Irving St. |
| Chesley, Harry Gilbert, | *Brighton,* | 137 No. Beacon St., Brighton. |
| Chessman, Charles Francis, | *Cochituate,* | 24 Mt. Auburn St. |
| Childs, Edwin Otis, Jr. | *Newton,* | P. 59. |
| Chrostwaite, Thomas Francis, | *Ashley, Pa.* | 34 Bigelow St. |
| Clapp, Howard, | *Boston,* | W. 48. |
| Clapp, Roger, | *Boston,* | M. 34. |
| Clarke, Thomas Wood, | *Utica, N. Y.* | 126 Mt. Auburn St. |
| Clarkson, Thomas Henry, | *Cambridge,* | 31 Everett St. |
| Cleaves, Charles Henry, Jr. | *Rockport,* | G. 47. |
| Cochrane, Francis Douglass, | *Boston,* | Claverly 36. [line. |
| Coffin, William Balch, | *Brookline,* | Mason Ter., Brook- |
| Coleman, Silas Cobb, | *Chicago, Ill.* | Hilton Block 7. |
| Conant, Lewis Kingsbury, | *Dedham,* | 1750 Cambridge St. |
| Cook, Carleton Sprague, | *New York, N. Y.* | T. 48. |
| Cook, Philip Howard, | *Portland, Me.* | 50 Frost St. |
| Coonley, Howard, | *Chicago, Ill.* | W. H. 57. |
| Cotton, John Page, | *Roxbury,* | M. 14. |
| Cox, Rutherford Hayes, | *Cincinnati, O.* | H'ke 30. |
| Crapo, Chester F., | *Burlington, Ia.* | P. 43. |
| Creden, Benjamin Taber, | *So. Boston,* | M. 57. |
| Crocker, George Glover, Jr. | *Boston,* | Quincy 12. |
| Cropley, Jacob Howard, | *Reading,* | 16 Story St. |
| Crowley, James Leo, | *Cambridgeport,* | 54 Fairmont St., Cambridgeport. |
| Currie, Barton Wood, | *Elizabeth, N. J.* | 1172 Mass. Ave. |
| Curtis, Alfred Lester, | *Lyndeborough, N. H.* | Irving Pl. |
| Curtis, Bridgham, | *New York, N. Y.* | W. H. 28. |
| Curtis, James Freeman, | *Boston,* | Shepherd Block 17. |
| Cutler, Burwell Smith, | *Buffalo, N. Y.* | 36 Mt. Auburn St. |
| Cutting, Walter Livingston, | *Pittsfield,* | Claverly 17. |
| Daly, Arthur Emerson, | *Southampton, N. Y.* | 13 Mellen St. |
| Damon, Israel, | *Quincy,* | F. 1. |
| Davis, Edward Perkins, | *Boston,* | 14 Oxford St. |

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| Davis, Pierpont, | *New York, N. Y.* | Beck 36. |
| Dayton, Charles Willoughby, Jr. | *New York, N. Y.* | Felton Building 3. |
| Dean, Horace Bunce, | *Colebrook, Conn.* | M. 30. |
| Denholm, John Archibald, | *Worcester,* | W. H. 3. |
| Denison, George Hurst, | *Syracuse, N. Y.* | 381 Harvard St. |
| Dennis, Joseph Charles, | *Worcester,* | H'ke 34. |
| Dennison, Henry Sturgis, | *Roxbury,* | 373 Harvard St. |
| Denny, George Kirkham, | *Brooklyn, N. Y.* | H'ke 16. |
| Derby, Stephen Hasket, | *Boston,* | Manter 8. |
| Desmond, Walter Joseph, | *Worcester,* | 14 Mellen St. |
| Devlin, John Edward, Jr. | *Wilton, N. H.* | W. H. 21. |
| Dibblee, Benjamin Hanson, | *Ross, Cal.* | 69 Mt. Auburn St. |
| Dickinson, William Reynolds, | *Chicago, Ill.* | 10 Remington St. |
| Doherty, Jeremiah Joseph, | *Lynn,* | 294 Washington St., Lynn. |
| Dole, James Drummond, | *Jamaica Plain,* | Roanoke Ave., Jamaica Plain. |
| Dolman, Carroll George, | *Butte, Mont.* | 6 Story St. |
| Donald, Malcolm, | *Brookline,* | 25 Holyoke St. |
| Donham, Wallace Brett, | *Rockland,* | 80 Wendell St. |
| Dority, Alphonso Augustus, | *Boston,* | 647 Shawmut Ave., Boston. |
| Dowst, Henry Payson, | *Bangor, Me.* | 8 Appian Way. |
| Draper, Edward Bailey, | *Canton,* | M. 2. |
| Dudley, George Edward, | *Worcester,* | W. 22. |
| Duffield, Graham, | *Detroit, Mich.* | 12 Mt. Auburn St. |
| Dumaresq, Jordan, | *Chestnut Hill.* | 78 Mt. Auburn St. |
| Dunham, Robert James, | *Chicago, Ill.* | 1256 Mass. Ave. |
| Durgin, Arthur Foster, | *Bradford,* | 61 Oxford St. |
| Dutton, George Damon, | *Auburndale,* | 30 Holyoke St. |
| Dwight, Howard, | *Boston.* | 10 Oxford St. |
| Dyar, John Wilde, | *Detroit, Mich.* | W. H. 27. |
| Dyer, George Jones, | *New York, N. Y.* | Claverly 51. |
| Dyer, John Lathrop, | *Cambridge,* | 25 Mt. Pleasant St. |
| Eaton, William Dunnell, | *Providence, R. I.* | 11 Appian Way. |
| Edgell, Calvin Sumner, | *Gardner,* | C't 23. |
| Elder, Edward Everett, | *Revere,* | Revere. |
| Ely, Vivian D., | *St. Louis, Mo.* | H'ke 41. |
| Endicott, Thorndike Howe, | *Boston,* | Hilton Block 37. |
| Ensign, Charles Sidney, Jr. | *Newton,* | H'ke 39. |
| Estabrook, Mansfield, | *St. Paul, Minn.* | 24 Holyoke St. |
| Eustis, Lawrence Eckley, | *Cambridge,* | 3 Highland St. |
| Evans, Charles Frederick Allen, | *Boston,* | 827 Broadway, Boston. |

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| Ewing, Alexander Bigelow, | *Boston*, | 215 Huntington Av., |
| Eyre, Alfred Stacey, | *Chester, Pa.* | C. 57. [Boston. |
| Fahnestock, Clarence, | *New York, N. Y.* | Ware 13. |
| Fairchild, Blair, | *Boston*, | 27 Holyoke St. |
| Falvey, Francis William, | *So. Boston*, | 62 G St., So.Boston. |
| Farley, John Wells, | *Cambridge*, | 8 Holyoke St. |
| Faxon, Thomas Keith, | *Spencer*, | 126 Mt. Auburn St. |
| Fayerweather, Roades, | *Hinsdale, Ill.* | 2 Gorham St. |
| Feder, Julius Caesar, | *Cincinnati, O.* | C't 2. |
| Finney, Harry Warren, | *W. Medford*, . | F. 3. |
| Fish, Alfred Lawrence, | *Sandwich*, | 421 Broadway. |
| Fish, Henry Hudson, | *Taunton*, | H'ke 32. |
| Fitz, Walter Scott, 2d, | *Newton Centre*, | Little's Block 17. |
| FitzGerald, Cornelius Gregory, | *Roxbury*, | T. 23. |
| Fleisher, Edwin Adler, | *Philadelphia, Pa.* | Ware 34. |
| Fletcher, Daniel Howard, | *Marlboro*, | D. 21. |
| Forbes, Joseph Dunderdale, | *Morris Plains, N.J.* | Little's Block 28. |
| Ford, George Burdett, | *Clinton*, | C. 42. |
| Foster, Clifton Morton, | *Haverhill*, | 19 Irving St. |
| Foster, George Herbert, | *New York, N. Y.* | H'ke 43. |
| French, Philip, | *Boston*, | 28 Holyoke St. |
| Fried, Gustav Adolph, | *New York, N. Y.* | C't 39. |
| Frost, Donald McKay, | *Charleston, S. C.* | 12 Mt. Auburn St. |
| Frost, Raymond Mott, | *Poughkeepsie, N. Y.* | 16 Oxford St. |
| Frothingham, John Whipple, | *Brooklyn, N. Y.* | Quincy 10. |
| Gage, Edmund Vernon, | *Bradford*, | C. 53. |
| Galbraith, Archibald Victor, | *Springfield*, | 63 Highland Ave. |
| Galbraith, John Sayward, | *Springfield*, | 63 Highland Ave. |
| Garland, Roy, | *Gloucester*, | 1595 Mass. Ave. |
| Gay, Fritz Walter, | *Malden*, | T. 51. |
| Gerrish, William Churchill, | *Brooklyn, N. Y.* | Quincy 3. |
| Gibbs, Frank Edwin, Jr. | *Taunton*, | T. 47. |
| Gilbert, Arthur Holden, | *Newton Centre*, | 1727 Cambridge St. |
| Goldfrank, Fred, | *New York, N. Y.* | C't 5. |
| Goldie, William Valentine, | *New London, Conn.* | 16 Mellen St. |
| Goodridge, George Alfred, | *Cambridge*, | 12 Scott St. |
| Goodwin, Martin Furber, | *Wolfboro, N. H.* | 29 Sacramento St. |
| Gordon, Donald, | *Kyoto, Japan*, | C. 12. |
| Granger, Frank Butler, | *Randolph*, | 96 Ellery St. |
| Graves, Albert Snow, | *Boston*, | W. H. 9. |
| Griffin, Bartholomew Francis, | *Chelsea*, | 190 Ash St., Chelsea. |
| Gunn, William John, | *Portland, Me.* | 50 Frost St. |
| Hall, George Duffield, | *St. Louis, Mo.* | Claverly 39. |

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| Hall, Henry Marion, | *Plainfield, N. J.* | T. 20. |
| Halliday, John, | *Cairo, Ill.* | 467 Broadway. |
| Hamilton, Charles Augustus, | *Worcester,* | W. H. 3. |
| Hammond, Frederick Lawrence, | *St. Paul, Minn.* | C. 34. |
| Hanson, William Clinton, | *Cambridge,* | 36 Gray St. |
| Hardy, Charles William, | *Somerville,* | 132 Perkins St., Somerville. |
| Hardy, Thornton Sherburne, | *Boston,* | Little's Block 30. |
| Harlow, Edward Dexter, Jr. | *Salem,* | C't 14. |
| Harrington, James Taylor, | *New York, N. Y.* | P. 67. [Somerville. |
| Harris, Fred Warren, | *Somerville,* | 42 Highland Ave., |
| Harris, Richard Brown, | *Marblehead,* | P. 73. |
| Harris, Roland Winslow, | *Melrose,* | G. 28. [Somerville. |
| Harris, Walter Capen, | *Somerville,* | 42 Highland Ave., |
| Haskell, Edward Kirk, | *W. Falmouth, Me.* | M. 56. |
| Haughton, Percy Duncan, | *Brookline,* | 30 Holyoke St. |
| Hayden, Harold Buckminster, | *New York, N. Y.* | 44 Brattle St. |
| Healy, John Charles, Jr. | *Cincinnati, O.* | 65 Hammond St. |
| Hedges, Roy Sidney, | *Boston,* | C't 7. |
| Hersey, Frank Wilson Cheney, | *Lincoln,* | 1611 Mass. Ave. |
| Hildreth, Horace Edwin, | *Cambridge,* | 6 Linnaean St. |
| Hill, Henry Horace, | *Boston,* | T. 10. |
| Holbrook, Marshall Sumner, | *Malden,* | T. 17. |
| Holden, Joshua Bennett, Jr. | *Billerica,* | Ware 19. |
| Holmes, Massey Bryant, | *Kansas City, Mo.* | Little's Block 8. |
| Holmes, Tyler Lee, | *Newtonville,* | Little's Block 17. |
| Holt, Frank Herbert Ford, | *Cambridge,* | 5 Concord Ave. |
| Homans, John Alden, | *Boston,* | Shepherd Block 9. |
| Hood, Chauncey Wray, | *Roxbury,* | 55 Windsor St., Roxbury. |
| Hopkins, Roland Gage, | *Arlington,* | Read's Block 6. |
| Howe, James Carleton, | *Longwood,* | Hilton Block 17. |
| Hoyt, George Allen, | *Morristown, N. J.* | 1716 Cambridge St. |
| Hunter, Dexter, Jr. | *Albany, N. Y.* | G. 32. |
| Huntington, Constant Davis, | *Hanover, N. H.* | 12 Ware St. |
| Huntress, Harold Poole, | *Winchester,* | W. 20. |
| Hurd, Lyman Eugene, | *Salem,* | H'ke 44. |
| Huxley, Henry Minor, | *Newton,* | T. 40. |
| Hyman, Mark, | *Cincinnati, O.* | C't 36. |
| Jackson, Francis Turner, | *Concord,* | C't 1. |
| Jackson, Robert Appleton, | *Boston,* | 18 Plympton St. |
| James, Henry, 2d, | *Cambridge,* | 95 Irving St. |
| Jameson, Irving Lindsley, | *Boston,* | 1134 Mass. Ave. |

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| Jeffries, Charles Shimmin, | *Boston*, | 9 Linden St. |
| Jenness, Howard Cornelius, | *Haverhill*, | 30 Irving St. |
| Jewell, Pliny, 2d, | *Boston*, | Manter 5. |
| Johnson, Denis David, | *Dorchester*, | Hilton Block 10. |
| Johnson, Julius Munroe, | *Greenfield*, | C. 61. |
| Jones, Joseph Albert, | *Buffalo, N. Y.* | 1727 Cambridge St. |
| Jones, Reginald Francis, | *Concord*, | Concord. |
| Jungerich, Eldred Edward, | *Philadelphia, Pa.* | 1256 Mass. Ave. |
| Keene, Paul Munroe, | *Lynn*, | C't 12. |
| Keiley, Jarvis William, | *New York, N. Y.* | H'ke 43. |
| Kendall, Waldo Shaw, | *Cambridge*, | 13 Shepard St. |
| Kerper, George Baron, Jr. | *Cincinnati, O.* | H'ke 30. |
| Keyes, Lester Bateman, | *Still River*, | C. 18. |
| Kilbourn, Arthur Goss, | *So. Lancaster*, | T. 48. |
| Kimball, Henry Horton, | *Boston*, | P. 28. |
| Klein, Eugene Schreiber, | *St. Louis, Mo.* | 58 Hammond St. |
| Knowlton, Clarence Hinckley, | *Farmington, Me.* | 65 Putnam Ave. |
| Lamson, Clement Richmond, | *Jamaica Plain*, | Ophir St., Jamaica Plain. |
| Lane, John William, | *Dorchester*, | 58 Richfield St., Dorchester. |
| Lapsley, Arthur Brooks, | *New York, N. Y.* | P. 74. |
| Laverack, Howard Cowing, | *Buffalo, N. Y.* | 25 Holyoke St. |
| Lawrence, Frank, | *New York, N. Y.* | Hilton Block 34. |
| Lawson, Charles Robert, | *Gloucester*, | 273 Huron Ave. |
| Lawton, James Marsland, Jr. | *Hudson, N. Y.* | 57 Brattle St. |
| Lay, Henry Hamilton, | *Kewanee, Ill.* | 65 Hammond St. |
| Leavitt, William Merrill, | *Marshfield Hills*, | F. 1. [Charlestown. |
| Leen, Michael Edward, | *Charlestown*, | 19 Salem St., |
| Leeson, Robert Ainsworth, | *Boston*, | 94 Prescott St. |
| Legnard, John B, Jr. | *Waukegan, Ill.* | 40 Kirkland St. |
| Leshner, William, | *Lawrence*, | C. 65. |
| Lissner, Emanuel, | *Malden*, | M. 28. |
| Litchfield, Edward Hubert, | *Brooklyn, N. Y.* | Claverly 51. |
| Lloyd, David Demarest, | *New York, N. Y.* | H'ke 49. |
| Lloyd, Henry Demarest, Jr. | *Winnetka, Ill.* | H'ke 49. |
| Lovejoy, Joseph, | *Philadelphia, Pa.* | H'ke 5. |
| Luce, Dean Sherwood, | *Vineyard Haven*, | C. 65. |
| Lucht, Julius, | *Davenport, Ia.* | C. 22. |
| Luquer, Lynch, | *Washington, D. C.* | Hilton Block B. |
| McDaniels, George Nelson, | *Cabot, Vt.* | 58 Mt. Auburn St. |
| McDuffie, Charles Henry, | *Manchester, N. H.* | Ware 52. |
| McGurk, William John, | *No. Adams*, | 45 Mt. Auburn St. |

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| McKittrick, Ralph, | *St. Louis, Mo.* | Claverly 26. |
| MacKusick, Albert Rand, | *Cambridge,* | 99 Norfolk St. |
| Macomber, Henry Percy, | *Brookline,* | P. 52. |
| Macurdy, Leigh Theodore, | *Watertown,* | 41 Fayette St., Watertown. |
| Macy, John Albert, | *Cambridge,* | 187 Appleton St. |
| Mann, Clarence Churchill, | *Utica, N. Y.* | 6 Trowbridge St. |
| Marble, Allen, | *Worcester,* | C't 20. |
| Marden, Charles Francis, | *Melrose,* | H. 1. |
| Marsh, Robert McCurdy, | *Paterson, N. J.* | W. H. 39. |
| Marshall, Adoniram Judson, | *Cambridge,* | 67 Mt. Auburn St. |
| Marvin, Edmund Roberts, | *Albany, N. Y.* | W. H. 48. |
| Marvin, George Dekkar, | *New Rochelle, N. Y.* | 436 Broadway. |
| Marx, Jerome Leo, | *Albany, N. Y.* | 1727 Cambridge St. |
| Mason, Mortimer Phillips, | *Boston,* | Beck 42. [Roxbury. |
| Mehlinger, Albert, | *Roxbury,* | 3 Woodville St., |
| Meriam, Welles, | *Salem,* | H'ke 3. |
| Merrell, Stanley Wilson, | *Cincinnati, O.* | 1750 Cambridge St. |
| Merrick, Benjamin Paul, | *Holyoke,* | T. 43. [Roxbury. |
| Merrill, Raymond, | *Roxbury,* | 69 Howland St., |
| Millard, William Harold, | *Waltham,* | 57 Wadsworth Ave., Waltham. |
| Miller, Philip Lee, | *Springfield,* | P. 78. |
| Mooney, Frank Joseph, | *Buffalo, N. Y.* | C't 11. [So. Boston. |
| Morris, Charles Hyndman, | *So. Boston,* | 561 E. Eighth St., |
| Morrison, Robert Hale, | *Canton,* | 60 Wendell St. |
| Morse, Samuel Vining, | *Canton,* | M. 2. |
| Morse, Wilbur, | *Philadelphia, Pa.* | 6 Story St. |
| Morse, William Gibbons, | *New York, N. Y.* | G. 27. |
| Murray, William Donaldson, | *Newport, R. I.* | 94 Prescott St. |
| Newhall, Arthur Edward, | *Lynn,* | C't 12. |
| Nichols, John Taylor Gilman, | *Cambridge,* | 63 Brattle St. |
| Nichols, Malcolm Edwin, | *So. Portland, Me.* | 51 Wallace St. |
| Nickerson, Thomas, | *W. Newton,* | W. H. 50. |
| Nicoll, Leonard Francis, | *New York, N. Y.* | Warland Block 11. |
| Noble, George, | *Cambridge,* | Brewer's Block 3. |
| Norton, John Warner, | *Lockport, Ill.* | G. 1. |
| Nourse, Frederic Russell, | *Boston,* | 26 Holyoke St. |
| Nowell, James, | *Winchester,* | 68 Church St., Winchester. |
| O'Brien, Henry Everett, | *New York, N. Y.* | W. H. 49. |
| Oliver, Everard Lawrence, | *Boston,* | W. H. 21. |
| Oliver, Max William, | *Wichita, Kans.* | 22 Mt. Auburn St. |

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| Osborn, Walter Jay, | *Cambridge*, | 17 Lee St. |
| Osborne, Frank Wellman, | *Lynn*, | 5 Herbert St., Lynn. |
| Palmer, Honoré, | *Chicago, Ill.* | Claverly 19. |
| Pappenheimer, Alvin Max, | *New York, N. Y.* | 371 Harvard St. |
| Parker, Charles Austin, | *Bourne*, | C. 45. |
| Parsons, Lewis Hines, | *Philadelphia, Pa.* | 8 Prescott St. |
| Pastorius, Horace Evans, | *Newton*, | W. 14. |
| Pearse, Langdon, | *Roxbury*, | P. 83. |
| Perkins, John Forbes, | *Milton*, | 5 Linden St. |
| Perkins, Russell, | *Pomfret, Ct.* | Beck 35. |
| Perry, Edwin Elden, | *Boston*, | 405 Columbus Ave., Boston. |
| Peterson, Sidney, | *Jamaica Plain*, | 305 Chestnut Ave., Jamaica Plain. |
| Pierce, Walworth, | *Milton*, | C't 21. |
| Plumb, Fayette Rumsey, Jr | *Philadelphia, Pa.* | H'ke 5. |
| Poland, George Morrison, | *Wakefield*, | F. 6. |
| Pond, Clarence Handel, | *Winchester*, | P. 62. |
| Poor, Elwyn Waller, | *Morristown, N. J.* | S. 31. |
| Poore, Charles Prescott, | *Georgetown*, | 7 Sumner St. |
| Preston, Louis Butler, | *New York, N. Y.* | Hilton Block 25. |
| Quinby, William Carter, | *Worcester*, | W. 22. |
| Rabador, Eugene Maurice, | *Exeter, N. H.* | 6 Story St. |
| Ramsay, Robert Ewart, | *Fall River*, | 60 Plympton St. |
| Randall, Philip Green, | *Medford*, | 29 Holyoke St. |
| Raymond, William Lee, | *Cambridge*, | 28 Holyoke St. |
| Reed, George Hale, | *Taunton*, | H'ke 42. |
| Remick, Eliot Wickham, | *Boston*, | H'ke 1. |
| Richardson, Frederic Leopold William, | *Brookline*, | 78 Mt. Auburn St. |
| Richardson, Otis Weld, | *Boston*, | H'ke 16. |
| Rideout, Henry Milnor, | *Calais, Me.* | 15½ Shepard St. |
| Robbins, Chandler, | *Boston*, | 114 Marlborough St., Boston. |
| Robbins, Thomas Hinckley, | *Boston*, | 114 Marlborough St., Boston. |
| Robbins, William Bradford, | *Weston*, | W. H. 17. |
| Robinson, Deen Lombard, | *Chassell, Mich.* | 58 Hammond St. |
| Robinson, Moncure, | *New York, N. Y.* | Read's Block 30. |
| Rogers, Joseph Moulton, | *Roxbury*, | 21 Linwood St., Roxbury. |
| Roper, Willet Crosby, | *Owego, N. Y.* | 438 Green St. |
| Rorer, James Birch, | *Philadelphia, Pa.* | G. 48. |
| Rousmaniere, John Easton, | *Roxbury*, | M. 14. |

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| Ruggles, Charles Almon, | *Redlands, Cal.* | F. 4. |
| Russell, Fred Adams, | *Winchester,* | C't 35. |
| Sampson, Henry, Jr. | *New York, N. Y.* | Claverly 24. |
| Sargeant, Cyrus, Jr. | *Plymouth, N. H.* | 43 Irving St. |
| Sargent, George McClure, | *Boston,* | H'y 18. |
| Savage, Maxwell Sands, | *Boston,* | 8 Holyoke St. |
| Sayre, Hal, Jr. | *Denver, Colo.* | 48 Brattle St. |
| Schlesinger, Barthold Ernest, | *Brookline,* | 26 Holyoke St. |
| Scudder, William Mansfield, | *Chicago, Ill.* | Little's Block 8. |
| Scull, Guy Hamilton, | *Boston,* | Claverly 14. |
| Sears, Edmund Hamilton, 2d, | *Weston,* | 25 Holyoke St. |
| Seasongood, Edwin Alfred, | *Cincinnati, O.* | M. 17. |
| Shaw, Frank C., | *Fishkill, N. Y.* | 74 Sacramento St. |
| Shaw, Hollis Hunnewell, | *Wellesley,* | 5 Linden St. |
| Shaw, Robert Gould, 3d, | *Wellesley,* | 5 Linden St. |
| Shaw, Samuel Parkman, Jr. | *Lenox,* | 8 Prescott St. |
| Sherburne, John Henry, Jr. | *Boston,* | Shepherd Block 3. |
| Sherman, William Anthony, | *Newport, R. I.* | 94 Prescott St. |
| Shore, Howard Everett, | *Cardington, Pa.* | M. 58. |
| Silberberg, Walter, | *Cincinnati, O.* | 1750 Cambridge St. |
| Simonds, Alvan Tracy, | *Fitchburg,* | T. 28. |
| Slye, Ralph, | *St. Paul, Minn.* | C. 34. [Boston. |
| Smerdon, Clarence James, | *Taunton,* | 694 Tremont St., |
| Smith, Adelbert Julius, | *Omaha, Neb.* | G. 4. |
| Smith, Philip Sidney, | *Roxbury,* | 40 Kirkland St. |
| Smith, William David, | *Gardner,* | C't 23. |
| Snite, Francis Joseph, | *Chicago, Ill.* | 61 Oxford St. |
| Soderling, Walter, | *Williamsport, Pa.* | C. 23. |
| Somers, Pierce Edwards, | *Portland, Me.* | 1256 Mass. Ave. |
| Spalding, Arthur Cushing, | *Lowell,* | C't 4. |
| Spargo, Edwin Baker, | *Mattapan,* | W. H. 22. |
| Spencer, Vivian, | *New York, N. Y.* | Read's Block 8. |
| Spencer, Willing Harrison, | *Philadelphia, Pa.* | Hilton Block 31. |
| Stanley, William Parsons, | *Gloucester,* | 1595 Mass. Ave. |
| Stanwood, Eben Blaine, | *Manchester,* | Shepherd Block 8. |
| Stearns, Harry Ney, | *Cambridge,* | 44 Wallace St. |
| Stearns, Marshall, | *Brookline,* | P. 52. |
| Stephens, Charles Henry, | *Cincinnati, O.* | 1750 Cambridge St. |
| Stobbs, George Russell, | *Webster,* | 13 Kirkland Pl. |
| Stoddard, Francis Russell, Jr. | *Boston,* | W. 48. [Waltham. |
| Stowell, Henry Whitney, | *Waltham,* | 30 Weston St., |
| Stratton, George Russell, | *Watertown,* | 26 Irving St., Watertown. |

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| Straw, Parker, | *Manchester*, | Ware 52. |
| Studley, James Butler, | *Rockland*, | 80 Wendell St. |
| Sullivan, Michael Henry, | *Newport, R. I.* | 94 Prescott St. |
| Sullivan, Michael Xavier, | *Fall River*, | 56 Plympton St. |
| Sutro, Frederick Charles, | *New York, N. Y.* | Felton Building 30. |
| Swan, George Alexander, | *Evanston, Ill.* | P. 69. |
| Swift, Frederick Rotch, | *New Bedford*, | 7 Linden St. |
| Talbot, LeRoy Herrick, | *No. Billerica*, | Ware 16. |
| Talmadge, Henry, 2d, | *Netherwood, N. J.* | W. H. 16. |
| Taylor, Frederick Bourne, | *Brookline*, | H'ke 15. |
| Taylor, William Joseph, | *Indianapolis, Ind.* | W. 40. |
| Terhune, Everit Bogert, | *Dorchester*, | 45 Wendell St. |
| Tewksbury, Everett Belknap, | *Westborough*, | 65 Hammond St. |
| Thayer, Farwell Edward, | *No. Cambridge*, | 44 Garfield St. |
| Thayer, John Mowrey, | *Worcester*, | W. 31. |
| Thompson, George Washington, | *Morristown, N. J.* | 57 Brattle St. |
| Throop, Everett Abbot, | *Worcester*, | D. H. 5. |
| Tiffany, George Shepley, | *St. Louis, Mo.* | Claverly 26. |
| Tomlinson, Fenton, | *Portland, Me.* | 50 Frost St. |
| Tower, Burt, | *South Boston*, | C. 16. |
| Tucker, Donald, | *Boston*, | 5 Linden St. |
| Tucker, Philip Melancthon, | *Jamaica Plain*, | 99 Sedgwick St., Jamaica Plain. |
| Turner, Frederic Alonzo, Jr. | *Boston*, | Hilton Block 29. |
| Tyler, Winsor Marrett, | *Lexington*, | M. 47. |
| Ullmann, Leo, | *Springfield, Mo.* | M. 27. |
| Urquhart, Donald Fraser, Jr. | *Boston*, | 315 Huntington Ave., Boston. |
| Vedder, George Charles, | *Leeds, N. Y.* | 22 Mt. Auburn St. |
| Virgin, Edward Harmon, | *Dedham*, | T. 63. |
| Wakefield, Edwin Earle, Jr. | *Newtonville*, | Newtonville. |
| Ward, Artemas, Jr. | *New York, N. Y.* | C't 38. |
| Ward, Charles Whitney, | *Dorchester*, | 1697 Cambridge St. |
| Ware, Leonard Everett, | *Brookline*, | 25 Holyoke St. |
| Warner, Eugene, | *Buffalo, N. Y.* | Little's Block 23. |
| Watson, Theodore Sedgwick, | *Milton*, | 94 Prescott St. |
| Webster, Evans, | *Brooklyn, N. Y.* | T. 17. |
| Weis, Frederick Sussman, | *New Orleans, La.* | 58 Mt. Auburn St. |
| Wheeler, Carleton Ames, | *Cambridge*, | 5 Ashton Pl. |
| Wheeler, Harry Allen, | *Taunton*, | 1727 Cambridge St. |
| Whitbeck, Brainerd Hunt, | *Rochester, N. Y.* | 5 Linden St. |
| White, Frederick Clement, | *Cambridge*, | 6 Phillips Pl. |
| White, Frank Owen, | *Boston*, | T. 10. |

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| White, Henry Preston, | *Brockton*, | C't 47. |
| Whitman, Malcolm Douglass, | *Brookline*, | Little's Block 21. |
| Whitney, Howard Fletcher, | *Brooklyn, N. Y.* | 22 Shepard St. |
| Wiel, Samuel Charles, | *San Francisco, Cal.* | 1671 Cambridge St. |
| Wight, Walter Atwood, | *Brooklyn, N. Y.* | W. 39. |
| Williams, Harold, Jr. | *Boston*, | T. 41. |
| Williams, Horace Dudley Hall, | *Roxbury*, | C't 21. |
| Williams, Robert Winslow, | *Brookline*, | Little's Block 27. |
| Winch, William Porter, | *Brookline*, | H'ke 15. |
| Wing, Henry Melvin, | *Melrose*, | 158 Foster St., Melrose. |
| Winsor, Walter Pellington, Jr. | *Fairhaven*, | P. 80. |
| Wise, Arthur Heston. | *Ogdensburg, N. Y.* | C't 22. |
| Wise, Alvin Walter, | *Chicago, Ill.* | 1664 Mass. Ave. |
| Wise, Everett Sidney, | *Chicago, Ill.* | 1664 Mass. Ave. |
| Wolcott, Roger, Jr. | *Boston*, | Beck 42. |
| Wolff, Harry Felix, | *Buffalo, N. Y.* | Warland Block 13. |
| Wonson, Samuel Lamson. | *Gloucester*, | 1595 Mass. Ave. |
| Woodberry, Charles Dane, | *Beverly*, | C't 25. [Somerville. |
| Woodward, Lawrence Arthur, | *Somerville*, | 32 Wigglesworth St., |
| Wright, Lawrence Worth, | *New York, N. Y.* | 94 Prescott St. |
| Wyeth, Walter Francis. | *Cambridge*, | 219 Brattle St. |
| Wyler, Arthur Lowman, | *Cincinnati, O.* | G. 9. |
| Wyman, Frederick Wesley, | *Shirley Centre*, | C't 44. |

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## Special Students.

| | | |
|---|---|---|
| Abrams, Maurice Daniel, | *Boston*, | 216 W. Newton St., Boston. |
| Adams, Raymond Morrison. | *So. Byfield*, | 16 Mellen St. |
| Adams, Walter, | *Dorchester*, | 25 Holyoke St. |
| Adams, William Alexander, | *Manchester, N. H.* | C. 24. [Dorchester. |
| Allen, Arthur S, | *Cambridge*, | 98 Ashmont St., |
| Almy, Frank Stratton, | *Fall River*, | H'ke 4. |
| Austin, Arthur J, | *Otto, N. Y.* | 1130 Mass. Ave. |
| Baars, John Ernest | *Pensacola, Fla.* | 21 Putnam Ave. |
| Ballou, Charles Rathbone. | *Providence, R. I.* | Ware 40. |
| Barker, Robert McNaughton, | *Syracuse, N. Y.* | H'y 15. |
| Bird, Lindsey Eaton, | *Roxbury*, | 1689 Cambridge St. |
| Boal, Montgomery Duncan, | *Denver, Colo.* | Little's Block 15. |
| Bowker, Challis, | *Dorchester*, | 12 Merlin St., |
| Briggs, Clay Stone, | *Galveston, Tex.* | D. 17. [Dorchester. |

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| Brine, William Percival, | *Somerville,* | 1671 Cambridge St. |
| Britton, Charles Oscar, | *Indianapolis, Ind.* | 1200 Mass. Ave. |
| Brockway, Robert Ormiston, | *Brooklyn, N. Y.* | 14 Kirkland Pl. |
| Bruguiére, Émile A, Jr. | *San Francisco, Cal.* | Claverly 43. |
| Burden, Williams Proudfit, | *Troy, N. Y.* | 9 Bow St. |
| Burnham, John Appleton, Jr. | *Boston,* | 68 Mt. Auburn St. |
| Bush, Clarence Kiff, | *Walton, N. Y.* 22 | 22 Mt. Auburn St. |
| Carret, James Weld, | *Cambridge,* | 6 Appian Way. |
| Chard, Thornton, | *Buffalo, N. Y.* | 60 Brattle St. |
| Chauncey, Egisto Fabbri, | *New York, N. Y.* | 1137 Mass. Ave. |
| Colbert, John Joseph, | *Boston,* | 37 Trumbull St., Boston. |
| Collier, Forrest Foster, | *Chelsea,* | 91 Congress Ave., [Chelsea. |
| Conroy, William Henry, Jr., A.B. (*Central High School, Philadelphia, Pa.*) 1895, | *Philadelphia, Pa.* | 6 Story St. [Boston. |
| Cook, Newell Cheever, | *Boston,* | 564 Mass. Ave., |
| Crawford, Lewis Fernandus, | *Jerico, Mo.* | 1534 Cambridge St. |
| Crocker, Edgar, | *Boston,* | Quincy 7. |
| Croly, Herbert David, | *Cambridge.* | 13½ Hilliard St. |
| Crossley, Fred Beers, | *Honesdale, Pa.* | 343 Harvard St. |
| Culver, Chester Murphy, | *Emporia, Kans.* | 51 Wendell St. |
| Davis, Walter Gee, | *Cambridge,* | 41 Essex St. |
| Donahue, James Joseph, | *Dorchester,* | East St., Dorchester. |
| Dresser, Horatio Willis, | *Cambridge,* | 30 Irving St. |
| Dresser, Jean Paul, | *Cambridge,* | 30 Irving St. |
| Dunning, Hubert, | *Brooklyn, N. Y.* | P. 44. |
| Ehrmann, Newton, | *New York, N. Y.* | 371 Harvard St. |
| Emory, Dennis McCarthy, | *Syracuse, N. Y.* | Little's Block 7. |
| Farnham, Onsville Macpherson, | *Lowell,* | G. 36. |
| Farquhar, Herbert Gladding, | *Brookline,* | Felton Building 19. |
| Fay, Addison Grant, | *Plymouth,* | 1691 Cambridge St. |
| Fleming, George Elliott, | *Shelbyville, Ind.* | W. 9. |
| Ford, Chester William, | *Rockland,* | 22 Mt. Auburn St. |
| Foss, Ernest, | *Newburyport,* | 8 Allston St., Boston. |
| Fuller, Maurice Bernard, | *Putnam, Conn.* | 12 Kirkland Pl. |
| Garrett, Thomas, Jr. | *W. New Brighton, N. Y.* | S. 31. |
| Gentner, Philip, | *Bradford, Pa.* | C. 1. |
| Glenn, Bernard William, | *Ashley, Penn.* | 34 Bigelow St. |
| Gordinier, Clarence Henry, | *Lansingburgh, N. Y.* | 4 Arrow St. |
| Gordon, Frank, | *Kansas City, Mo.* | 16 Oxford St. |

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| **Graham, James Benton, Jr.** | *Dorchester,* | 12 Albion St., Dorchester. |
| Grandin, John Livingston, Jr. | *Boston,* | Ware 5. |
| Grimes, William Hearne, LL.B. (*Georgetown Univ.*) 1892, LL.M. (*Ibid.*) 1893, | *Washington, D. C.* | T. 8. |
| Hale, Arthur Leslie, | *Melrose,* | P. 30. |
| Hamilton, Theodore Ely, | *Fredonia, N. Y.* | 1716 Cambridge St. |
| Hanford, Charles William, | *Chicago, Ill.* | Claverly 4. |
| Hanna, George Albert, | *Philadelphia, Pa.* | 9 DeWolfe St. |
| Harper, Clarence Samuel, | *Ottumwa, Ia.* | 42 Kirkland St. |
| Haseltine, Herbert Chevalier, | *Rome, Italy,* | 27 Holyoke St. |
| Hayden, Frank, | *New Harmony, Ind.* | 15 Sumner St. |
| Hayes, Richard Bertrand, | *Hull,* | 58 Wendell St. |
| Healy, William, | *Chicago, Ill.* | 1593 Mass. Ave. |
| Heinsling, Edwin Louis, | *Altoona, Pa.* | 1134 Mass. Ave. |
| Hernsheim, Charles, | *New Orleans, La.* | 94 Prescott St. |
| Hill, Jacob Foster, | *Cambridge,* | 13 Mt. Auburn St. |
| Hollis, John Hudson, | *Lynn,* | P. 24. |
| Hutchinson, James Sather, Jr. | *San Francisco, Cal.* | 1686 Cambridge St. |
| Hutchison, Percy Adams, | *Cambridge,* | T. 33. |
| Irish, Harry Adams, | *Barre Plains,* | 46 Langdon St. |
| Johnson, William Lyman, | *Boston,* | 41 G St., So. Boston. |
| Jones, William Torrance, M.D. (*Univ. of Georgia*), 1890, | *Hephzibah, Ga.* | G. 51. |
| Joy, Richard Henry, | *Syracuse, N. Y.* | |
| Keen, Benjamin Williamson, | *Newark, N. J.* | 362 Harvard St. |
| Keyser, Frederic Henry, | *Charlestown,* | 21 School St., Charlestown. |
| Kidder, Homer Huntington, | *Cambridge,* | 183 Brattle St. |
| King, Roland Marshall, | *W. Newton,* | Felton Building 9. |
| Kingsbury, Homer Penfield Donaldson, | *Redlands, Cal.* | F. 4. |
| Kuhn, Arthur, | *Ogden, Utah,* | M. 11. |
| Leighton, Walter Leatherbee, | *Roxbury,* | Felton Building 19. |
| Leland, LeRoy Walter, | *Grafton,* | 37 Highland Ave., Melrose. |
| Leonard, Howard Chilson, | *Bridgewater,* | 11 Wendell St. |
| Leonard, John Paul, | *Cambridge,* | 343 Harvard St. |
| Letterle, John Michael, | *Louisville, Ky.* | Brewer's Block 9. |
| Leypoldt, Rudolph Garrigue, | *New York, N. Y.* | 6 Irving Pl. |
| Lynch, Wilbur Henry, | *Windsor, N. Y.* | 9 DeWolfe St. |
| McAlpine, Milo Frederick, | *Marinette, Wis.* | T. 5. |
| McCall, John Chapman, | *New York, N. Y.* | Ware 1. |

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| **McCune, Earl Vivian,** | *Salt Lake City, Utah,* | 18 Plympton St. |
| **McJennett, John Francis,** | *Norwich, Conn.* | 89 Hammond St. |
| **McNeil, John Leonard,** | *Elgin, Ill.* | Ware 17. |
| **Mallery, Winslow,** | *Cincinnati, O.* | 1697 Cambridge St. |
| **Miller, Royal Ransom,** | *Scottsville, N. Y.* | 16 Oxford St. |
| **Mills, Charles Eddington,** | *Cedar Rapids, Ia,* | |
| **Montgomery, Hugh Devereux,** | *Dorchester,* | W. H. 32. |
| **Morrison, Francis,** | *Allston,* | C. 28. |
| **Morse, Clarence Sydney,** | *Boston,* | 102 Bowdoin St., Boston. |
| **Morse, Glenn Tilley,** | *St. Louis, Mo.* | Little's Block 4. |
| **Morton, Benjamin Alexander,** | *Fort Smith, Ark.* | Ct. 40. |
| **Morton, William Curtis,** | *Cleveland, O.* | 1124 Mass. Ave. |
| **Nace, Joseph Louis,** A.B. (*Carthage Coll.*) 1895, | *Carthage, Ill.* | 16 Oxford St. |
| **Neal, Joseph Augustus,** | *Boston,* | 1560 Cambridge St. |
| **Negus, Sam Pike,** | *Dayton, O.* | Ware 29. |
| **Newell, Gerrish,** | *Great Barrington,* | P. 42. |
| **Nichols, William Stanley,** | *Danvers,* | 9 Wendell St. |
| **Nicholson, Ulysses Homer,** | *Pendleton, Ind.* | 33 Mill St. |
| **Osborne, Roy Wallace,** | *Lynn,* | C. 50. |
| **Otis, Sidney,** | *Washington, D. C.* | 51 Trowbridge St. |
| **Otis, W Irving,** | *Chicago, Ill.* | 1208 Mass. Ave. |
| **Paine, Charles Edwin,** | *Somerville,* | 62 Gilman St., [Somerville. |
| **Parker, Ulysses Simpson,** B.S. (*Highland Park Normal Coll.*) 1892, A.B. (*Ibid,*) 1893, | *Fort Calhoun, Neb.* | 11 Wendell St. |
| **Parsons, Ira Harrison,** | *New York, N. Y.* | 29 Mt. Pleasant St. |
| **Pence, James Harry,** | *Cincinnati, O.* | G. 21. |
| **Perry, Edwin Brewster,** | *Geneva, O.* | D. H. 4. |
| **Popper, Arthur William,** | *New York, N. Y.* | W. 8. |
| **Powell, Oscar Littleton,** | *Onancock, Va.* | G. 46. |
| **Proctor, Mahlon Foster,** | *Exeter, N. H.* | 1716 Cambridge St. |
| **Quinn, Clarence Sanborn,** | *Exeter, N. H.* | Belmont. |
| **Rees, Robert Irwin,** | *Houghton, Mich.* | 39 Irving St. |
| **Reynolds, John Allen.** | *Oneonta, N. Y.* | 40 Kirkland St. |
| **Richardson, Willie Henry.** | *Stoneham,* | Wright St., Stoneham. |
| **Ritchie, Andrew Jackson,** | *Rabun Gap, Ga.* | 359 Somerville Ave., Somerville. |
| **Ruhl, Arthur Brown,** | *Rockford, Ill.* | 371 Harvard St. |
| **Sayre, Adolphe Monell,** LL.B. (*Columbian Univ.*) 1895, | *Washington, D. C.* | 61 Oxford St. |

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| Seaver, Oscar Seidel, | *Waban*, | C't 10. |
| Sewall, William Gilman, | *Boston*, | 60 Commonwealth Ave., Boston. |
| Sharkey, Joseph Edward, | *Cambridgeport*, | 125 Elm St., Cambridgeport. |
| Shaughnessy, Daniel Benedict, Jr. | *Cambridge*, | 276 Cambridge St. |
| Shepard, Elliott Fitch, | *New York, N. Y.* | 9 Waterhouse St. |
| Shepard, Rutherford Mead, | *Fanwood, N. J.* | Ware 30. |
| Shepherd, Leslie Hugh, B.S.D. (*Missouri State Normal*) 1895, | *Lone Jack, Mo.* | 1534 Cambridge St. |
| Smith, Caleb Edward, | *Exeter, N. H.* | 7 Sumner St. |
| Snyder, Benjamin Pettit, Jr. | *Washington, D. C.* | Ware 24. |
| Speare, Charles Frederic, | *Johnstown, N. Y.* | 48 Wendell St. |
| Talbot, Richmond, | *New York, N. Y.* | Hilton Block 1. |
| Taylor, Valentine, | *New York, N. Y.* | 1734 Cambridge St. |
| Thompson, Henry Smith, | *Tacoma, O.* | 5 Everett St. |
| Thompson, Wirt Lord, | *St. Louis, Mo.* | Claverly 33. |
| Turner, James Warden, | *Paintsville, Ky.* | 1130 Mass. Ave. |
| Utassy, George von, | *Germantown, Pa.* | Ware 11. |
| Vail, Robert Putnam, | *Decatur, Ill.* | |
| Vorenberg, Fred, | *Boston*, | 166 W. Brookline St., Boston. |
| Vosburgh, Royden Woodward, | *Boston*, | 18 Wendell St. |
| Wade, John Ross, | *Hulton, Pa.* | C't 26. |
| Ware, Thornton Marshall, | *Fitchburg*, | 1572 Mass. Ave. |
| Wass, Edward Harrison, | *Boston*, | 38 Chambers St., [Boston |
| Watson, Robert Henderson, | *Allegheny, Pa.* | Manter 7. |
| Weill, Bertram Claude, | *Buffalo, N. Y.* | Warland Block 13. |
| White, Charles Stevens, | *Brooklyn, N. Y.* | C't 48. |
| Whitmore, Frank Hayden, | *Gardiner, Me.* | T. 20. |
| Williams, Benjamin Franklin, B.S. (*Northern Indiana Normal School*) 1892, A.B. (*Ibid.*) 1895, | *Valparaiso, Ind.* | 1586 Cambridge St. |
| Williams, Charles Edward, | *Windsor, Vt.* | 1689 Cambridge St. |
| Wilson, Edwin Bidwell, | *Cambridge*, | 16 Lee St. |
| Wilson, Nathaniel Theodore, | *Washington, D. C.* | 60 Mt. Auburn St. |
| Winslow, Andrew Nickerson, | *Boston*, | 264 Newbury St., Boston. |
| Woodbridge, Francis, | *Cambridge*, | 123 Oxford St. |
| Woodruff, Henry Mygatt, | *Germantown, Pa.* | Ware 46. |
| Young, David Thomas, | *Cambridge*, | 6 Ash St. |
| Ziegler, Isidore, | *Huntington, W. Va.* | 19 Shepard St. |

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## SUMMARY.

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| Seniors | 366 |
| Juniors | 338 |
| Sophomores | 445 |
| Freshmen | 462 |
| Special Students | 160 |
| Total | 1771 |

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# HARVARD COLLEGE.

## ADMISSION.

### I. ADMISSION OF CANDIDATES FOR THE DEGREE OF BACHELOR OF ARTS.

#### Methods of Admission.

Candidates may be admitted by examination or, if they come from other colleges, without complete examination. For the latter method, see p. 213.

Examinations for admission are held in June both at Cambridge and at the places named on p. 214; in September at Cambridge only. For the regulations concerning division of the examination between two years or between June and September of the same year, see pp. 209, 210. For the hours set for examinations, see pp. 215, 216.

#### Testimonials.

Every candidate for admission is required to furnish a testimonial of honorable dismissal from the school or college which he has attended, or from the tutor with whom he has studied. He must also refer to two persons, preferably his teachers or employers, from whom information about him may be obtained. Testimonials may be presented at the time of the Final Examination; references should be sent to the Corresponding Secretary of the University a month earlier. When a candidate has been in regular attendance at a school or academy during the year preceding his Final Examination, a testimonial from a private tutor will not in itself be sufficient.

#### Certificates.

A certificate of preparation is required of every candidate for a Preliminary Examination. There is a prescribed form for this certificate; see p. 210. No certificate of preparation is required of a candidate for Final Examination, or of one who postpones part of his examination from June to September in the same year.

#### Notice Required.

Candidates who wish to be examined in any place other than Cambridge, are required to give notice to the Corresponding Secretary. The notice must be in the Secretary's hands not later than June 10. Candidates who intend to take any of the examinations of the first day must mention this intention in the notice.

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### Fees.

No fee is charged for examination in Cambridge.

A fee of five dollars must be paid *in advance* by every candidate who is examined at any place other than Cambridge. The whole fee of a candidate who purposes to divide his examination is to be paid before his first examination: it should be sent by check, post-office order, or registered letter, to CHARLES F. MASON, Bursar, Cambridge, Mass., and should be in the Bursar's hands not later than June 10.

Persons who do not intend to enter College will be admitted to the examinations at places other than Cambridge on payment of a fee of five dollars; and, if successful, will receive certificates to that effect.

### Elementary and Advanced Studies.

The examinations for admission embrace two classes of studies, *Elementary* and *Advanced*.

The elementary studies are not treated as equivalent. The advanced studies are regarded as occupying equal amounts of time in school, and are of equal importance in the examinations. Each of the advanced studies is taught in College in an elective course (or two half-courses) occupying three hours a week for a year; * and the standard of the entrance examinations is the same as that of the corresponding College courses.

### Requirements for Admission to the Freshman Class.

A candidate may satisfy the requirements for admission by passing examinations in —

(*a*) All the elementary studies, and at least TWO advanced studies.

(*b*) All the elementary studies except either German or French, and at least THREE advanced studies.

(*c*) All the elementary studies except either Greek or Latin, and at least FOUR advanced studies, including 6 and either 7 or 8 or 9

(*d*) All the elementary studies except either Greek or Latin and either German or French, and at least FIVE advanced studies, including 6 and either 7 or 8 or 9.

* Advanced Greek corresponds to Greek *A*, Advanced Latin to Latin *A*, Greek Composition to Greek *F*, Latin Composition to Latin *F*, Advanced German to German *B*, *C*, 1*a*, or 1*b*, Advanced French to French 1*b*, 1*c*, or 1*a*, Logarithms and Plane Trigonometry to Math. *A*, Solid Geometry to Math. *E*, Analytic Geometry to Math. *B*, Advanced Algebra to Math. *D*, Advanced Physics to Physics *C*, and Chemistry to Chemistry *B*. Elementary German, French, and Physical Science (2), correspond to German *A*, French *A*, and Physics *B*, respectively.

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### Deficiencies.

A candidate may be admitted in spite of deficiencies in some of the studies required; but no candidate so admitted will be advanced to the Junior Class until he has made good such deficiencies to the satisfaction of the Faculty. The exact number of deficiencies with which a candidate may be admitted cannot be named in advance, since each case is considered on its merits.

### Failures.

No candidate rejected in June will be reëxamined in September of the same year, unless he has passed examinations (whether Preliminary, or Final, or both), occupying at least six hours. A candidate rejected in June and reëxamined in September must be reëxamined in all the studies in which he was examined in June; but if he has a Preliminary certificate it will still hold good.

### Elementary Studies.

1. *English.* — English may be offered either as a Preliminary or as a Final subject (see pp. 209, 210). In 1896 and thereafter the examination will occupy two hours.

The examination will consist of two parts, which, however, cannot be taken separately: —

I. The candidates will be required to write a paragraph or two on each of several topics chosen by him from a considerable number — perhaps ten or fifteen — set before him on the examination paper. In 1896 the topics will be drawn from the following works: —

Shakspere's Midsummer Night's Dream; Defoe's History of the Plague in London; Irving's Tales of a Traveller; Scott's Woodstock; Macaulay's Essay on Milton; Longfellow's Evangeline; George Eliot's Silas Marner.

The candidate is expected to read intelligently *all* the books prescribed. He should read them as he reads other books; he is expected, not to know them minutely, but to have freshly in mind their most important parts. In every case the examiner will regard knowledge of the book as less important than ability to write English.

As additional evidence of preparation, the candidate may present an exercise book, properly certified by his instructor, containing compositions or other written work.

The works prescribed for this part of the examination in 1897, 1898, and 1899 are as follows: —

In 1897: Shakspere's As You Like It; Defoe's History of the Plague in London; Irving's Tales of a Traveller; Hawthorne's Twice Told Tales; Longfellow's Evangeline; George Eliot's Silas Marner.

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In 1898: Milton's Paradise Lost, Books I and II; Pope's Iliad, Books I and XII; The Sir Roger de Coverley Papers in the Spectator; Goldsmith's Vicar of Wakefield; Coleridge's Ancient Mariner; Southey's Life of Nelson; Carlyle's Essay on Burns; Lowell's Vision of Sir Launfal; Hawthorne's House of the Seven Gables.

In 1899: Dryden's Palamon and Arcite; Pope's Iliad, Books I, VI, XXII, and XXIV; The Sir Roger de Coverley Papers in the Spectator; Goldsmith's Vicar of Wakefield; Coleridge's Ancient Mariner; De Quincey's Flight of a Tartar Tribe; Cooper's Last of the Mohicans; Lowell's Vision of Sir Launfal; Hawthorne's House of the Seven Gables.

II. A certain number of books will be prescribed for careful study. This part of the examination will be upon subject-matter, literary form, and logical structure, and will also test the candidate's ability to express his knowledge with clearness and accuracy.

The books prescribed for this part of the examination are:

In 1896: Shakspere's Merchant of Venice; Milton's L'Allegro, Il Penseroso, Comus, and Lycidas; Webster's First Bunker Hill Oration.

In 1897: Shakspere's Merchant of Venice; Burke's Speech on Conciliation with America; Scott's Marmion; Macaulay's Life of Samuel Johnson.

In 1898: Shakspere's Macbeth; Burke's Speech on Conciliation with America; De Quincey's Flight of a Tartar Tribe; Tennyson's Princess.

In 1899: Shakspere's Macbeth; Milton's Paradise Lost, Books I and II; Burke's Speech on Conciliation with America; Carlyle's Essay on Burns.

No candidate will be accepted in English whose work is seriously defective in point of spelling, punctuation, grammar, or division into paragraphs.

In connection with the reading and study of the prescribed books, parallel or subsidiary reading should be encouraged, and a considerable amount of English poetry should be committed to memory. The essentials of English grammar should not be neglected in preparatory study.

The English written by a candidate in any of his examination-books may be regarded as part of his examination in English, in case the evidence afforded by the examination-book in English is insufficient.

The attention of candidates who have passed in English at the Preliminary Examination is called to the subject of Optional Examinations for the Anticipation of College Studies (on pp. 210, 211).

2. *Greek.* — The translation at sight of simple Attic prose (with questions on the usual forms and ordinary constructions of the language).

3. *Latin.* — The translation at sight of simple prose (with questions as in Greek).

The passages set for translation must be rendered into simple and idio-

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matic English. Teachers are requested to insist on the use of good English as an essential part of the candidate's training in translation.

In Latin the following pronunciation is recommended: — *ā* as in *father*, *ă* the same sound but shorter; *ē* like *ê* in *fête*, *ĕ* as in *set*; *ī* as in *machine*, *ĭ* as in *sit*; *ō* as in *hole*, *ŏ* as in *nor*; *ū* as in *rude*, *ŭ* as in *put*; *j* like *y* in *year*, *c* and *g* like Greek *κ* and *γ*.

Instructors are requested to teach their pupils in pronouncing Greek to use the *Greek accents*, and to give (for example) *α* the sound of *a* in *father*, *η* that of *a* in *fate*, *ι* that of *i* in *machine*, etc.

It is further recommended that pupils be accustomed, from the beginning of the preparatory course in Greek and Latin, to translate into those languages, both orally and in writing, passages prepared by the teacher on the basis of the prose authors read.

4. *German.* — The translation at sight of simple prose.

5. *French.* — The translation at sight of ordinary prose.

The passages set for translation in 4 and 5 will be similar to those set at the final examinations in German *A* and French *A* respectively, — College courses each having three hours of instruction a week through the year. The passages set for translation must be rendered into simple and idiomatic English. A knowledge of the language itself, rather than of the grammar, is expected; but proficiency in elementary grammar, or facility in writing the language, will be accepted as an offset for some deficiency in translation. It is recommended that from the outset attention be given to pronunciation. Wherever possible, care should be taken, during the whole course of preparation, to accustom the pupil to hear and understand spoken German and French.

6. *History* (*including Historical Geography*). — Either (1) History of Greece and Rome; or (2) History of the United States and of England.

The following works will serve to indicate the amount of knowledge demanded in History: Oman's History of Greece; Allen's History of the Roman People (the whole), *or* Leighton's History of Rome (to the death of Commodus); Higginson's Young Folks' History of the United States (to the end of Chapter XXI), and Johnston's History of the United States for Schools (beginning at § 269); Guest and Underwood's Handbook of English History (to the year 1793), or Gardiner's Student's History of England (through Part IX).

The following selections are recommended for additional reading and will be made the basis of optional questions in the examinations: * —

* Candidates who take the questions on the Selections will be allowed to omit some of the questions on the corresponding Manual.

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For Greek History: Curtius's History of Greece, Book I, Ch. I, Book II, Ch. IV, and Book III, Ch. III.

For Roman History: Beesly's The Gracchi, Marius, and Sulla; Tighe's Development of the Roman Constitution.

For American History: Lodge's English Colonies, Chapters II and XXII; Morse's John Quincy Adams, Chapters II and III; Josiah Quincy's Figures of the Past.

For English History: Macaulay's History of England, Chapters I and III.

7. *Mathematics.* — (*a*) Algebra, through Quadratic Equations. (The requirement in Algebra embraces the following subjects: factors, common divisors and multiples, fractions, ratios and proportions; negative quantities and the interpretation of negative results; the doctrine of exponents; radicals and equations involving radicals; the binomial theorem for positive integral exponents and the extraction of roots; putting questions into equations, and the reduction of equations; the ordinary methods of elimination, and the solution of both numerical and literal equations of the first and second degrees, with one or more unknown quantities, and of problems leading to such equations.) (*b*) Plane Geometry.

8. *Physical Science.* — Either (1) Astronomy (Young's Lessons in Astronomy, Ginn & Co., omitting the appendix) and Physics (Avery's Elements of Natural Philosophy,* or Gage's Elements of Physics); or (2) a course of experiments not less than forty in number performed at school by the pupil. These must be selected from a list issued by the University under the title *Descriptive List of Elementary Physical Experiments*, or must be approved by the Department of Physics as the equivalent of those contained in this list.

The Faculty requests all teachers who can command the necessary apparatus to present their pupils in (2) rather than in (1). (For the character of the examination in (2) see the note under Advanced Studies 8 and 9.)

## Advanced Studies.†

The half-courses designated by the letters (*a*) and (*b*) in the studies numbered 3, 6, and 7 may be combined at the option of the candidate; and any two of them will be accepted (subject to the conditions stated on page 202, paragraphs *c* and *d*) as the equivalent of one whole study.

1. *Greek.* — The translation at sight of average passages from Homer *or* the translation at sight of less difficult passages from both Homer and Herodotus (with questions on the usual forms and ordinary constructions of the language and on prosody).

* The following portions of the 1885 edition may be omitted: — sections I and II of chap. I (excepting arts. 23–30), arts. 254–267, 346–349, 371, 411–415, 445–455, 464–467, 470–476, 707–714, 729–745, and the whole Appendix.

† See foot-note on p. 202.

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2. *Latin.* — The translation at sight of average passages from Cicero and Virgil (with questions as in Greek).

3. *Greek and Latin Composition.* — (*a*) The translation into Attic prose of a passage of connected narrative. (*b*) The translation into Latin of a similar passage.

In preparing for this subject, it is strongly urged that from an early stage pupils be accustomed to translate into Greek and Latin not merely detached sentences illustrative of constructions, but also passages of connected narrative prepared by the teacher on the basis of the prose authors read. The passages set at the examination will be of this character. Examples of the kind of exercise recommended may be found in the following books: The Beginner's Greek Composition, by Collar and Daniell (Boston: Ginn & Co.); Allinson's Greek Prose Composition (Boston: Allyn & Bacon); Woodruff's Exercises in Greek Prose Composition (Boston: Leach, Shewell, & Sanborn); Collar's Practical Latin Composition (Boston: Ginn & Co.); Daniell's Exercises in Latin Composition (Boston: Leach, Shewell, & Sanborn).

4. *German.* — The translation at sight of modern German prose. — Grammar. — Composition based upon the following books: Riehl (Der Fluch der Schönheit). — Freytag (Aus dem Staat Friedrichs des Grossen). — Heine (Die Harzreise). — Goethe (the first three books of Dichtung und Wahrheit). — Lessing (Minna von Barnhelm). — Schiller (Wilhelm Tell and Das Lied von der Glocke). — Thirty pages of lyrics and ballads.

5. *French.* — The translation at sight of standard French prose. — Grammar. — Composition based upon the following books: Daudet (La Dernière Classe — Le Siège de Berlin). — Mérimée (Colomba). — Sandeau (Mlle. de la Seiglière, the play). — Corneille, Racine, Molière (one play by each author).

In advanced German and French, translation at sight will form an important part of the examination. Candidates will be expected to be familiar with the subject-matter as well as the language of the prescribed books. Some of the books may be changed from time to time, but with not less than two years' notice. The passages set for translation into German or French will be suited to the proficiency of those who have begun to study the language in College and have had instruction in it three hours a week for two years.

6. *Mathematics.* — (*a*) Logarithms*; Plane Trigonometry, with its applications to Surveying and Navigation. (*b*) Solid Geometry (*or* the Elements of Analytic Geometry, if not offered in 7).

* Candidates are required to use at the examinations the four-place tables provided by the University.

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7. *Mathematics.* — (*a*) The Elements of Analytic Geometry (*or* Solid Geometry if not offered in 6). (*b*) Advanced Algebra.

The following books will serve to indicate the nature and amount of the requirements in Logarithms and Trigonometry, Solid Geometry, Analytic Geometry, and Advanced Algebra.

Logarithms and Trigonometry. Wheeler's Logarithms (Cambridge: Sever) or the unbracketed portions of Peirce's Elements of Logarithms (Boston: Ginn & Co.). Wheeler's Plane Trigonometry (same publishers). Problems in Plane Trigonometry (Cambridge: Sever). Peirce's Mathematical Tables, chiefly to four places (Boston: Ginn & Co.).*

Solid Geometry. Chauvenet's Geometry, Revised and Abridged (Philadelphia: J. B. Lippincott & Co.), Books VI, VII, VIII, and IX.

Analytic Geometry. Briggs's Analytic Geometry (New York: Wiley & Co.).

Advanced Algebra. Wentworth's College Algebra (Boston: Ginn & Co.), to article 498, omitting Chapters XIX, XX, XXIV, XXV, XXVII, XXVIII. The examination will be mainly occupied with the portions of Algebra, as thus defined, which are not included in the elementary requirement in Algebra; but elementary questions will not necessarily be excluded.

8. *Physical Science.* — Physics. A course of at least sixty experiments in addition to those of Elementary Physics (2), selected from the same or similar manuals, and covering the same subjects, but demanding more skill and more knowledge of physical theories and laws.

9. *Physical Science.* — Chemistry. A course of at least sixty experiments in General Chemistry actually performed at school by the pupil.

In Elementary Physics (2), in Advanced Physics, and in Chemistry, the candidate will be required to pass both a written and a laboratory examination. The written examination will test his knowledge of experiments and experimenting as well as his knowledge of principles and results. The laboratory examination will test his skill in experimenting. The candidate will be required to hand in the original note-book in which he recorded the steps and the results of the experiments which he performed at school; and this note-book must bear the endorsement of his teacher, certifying that the notes are a true record of the pupil's work. The note-book in Physics should contain an index of the exercises which it describes.

A candidate who offers Elementary or Advanced Physics or Chemistry will hand in his laboratory note-book at *the hour of the written examination.* Laboratory note-books will be deposited, after examination, in the College office, where they will be kept for a reasonable time, subject to the order of the owners.

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A candidate examined in June at any place where a laboratory examination is not provided will be required to take such an examination in Cambridge in the autumn, on the day and at the place named below (p. 216); but if he passes the written examination in June and presents a satisfactory note-book, the subject will be counted in his favor in determining the question of his admission to College. Similarly a Preliminary candidate is allowed to postpone his laboratory examination until September of the year in which he enters College.

Most pupils will need lectures or other oral explanations in addition to the descriptions given in the laboratory manuals. When it is impossible to provide lectures, two text-books treating the subject from different points of view will be advantageous.

Descriptive lists of experiments which will meet the requirements in Physics and Chemistry may be procured (at 40 cents each) of the Harvard Coöperative Society, or of CHARLES W. SEVER, Bookseller, Harvard Square, Cambridge.

EXAMINATION PAPERS.

A set of recent examination papers will be sent free to any address, on application to the Publication Agent of the University, in University Hall, 2. Separate papers may be had by the *dozen* (or more) copies of any *one* paper, at ten cents a dozen.

## Division of the Examination.

A candidate for admission may take the entire examination at one time; or he may divide it, under conditions named below (1) between two years, or (2) between June and September of the same year. In the former case he is known as a "Preliminary Candidate"; in the latter as a "Postponer." Teachers and candidates should carefully distinguish between the words "Preliminary" and "Postponing" as used at examinations for admission, since a careless use of one of these words for the other leads to serious misunderstanding. A Preliminary Examination is always taken a year or more before the Final Examination. Postponing candidates, whether in September or in June, are taking Final Examinations.

If a study consists of two parts, designated by the letters (*a*) and (*b*), the examinations in those parts may be taken separately by a candidate who divides his examinations for admission either between two years or between June and September of the same year. No other study may be divided.

### 1. PRELIMINARY EXAMINATION.

A candidate may pass a Preliminary Examination in some of the studies, and be examined in the remaining studies in some subsequent year. For

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the Preliminary Examination the candidate must present himself *in June*, having previously sent in a certificate of preparation; see below. No Preliminary Candidate will be examined in September without special permission from the Dean.

A Preliminary certificate will be granted to any candidate who passes the examination in studies occupying five hours on the examination programme.

Candidates may offer themselves for the Preliminary Examination in any studies, elementary or advanced, *in which their teachers certify that they are prepared, and in no others.*

### Certificates of Preparation.

The certificate of preparation for Preliminary candidates must be in the following form: —

"..... has been my pupil for ..... years, and is, in my judgment, prepared to pass the Harvard Preliminary Examinations in the following studies: — . . Name of Teacher: . . Name of School: . . Address: ."

When a candidate has been in regular attendance at a school or academy for any part of the year preceding his Preliminary Examination, his certificate must be signed by the principal of that school or academy.

The certificates of candidates to be examined in Cambridge must be in the hands of the Corresponding Secretary on or before June 21; those of candidates to be examined elsewhere, on or before June 14.

### 2. Postponing.

A candidate who presents himself in June intending to pass the whole examination in the same year may postpone until September any studies occupying not more than six hours on the examination programme.* *Attention is called to the fact that in 1896, and thereafter, English will count as two hours.* A Postponing Candidate will not be examined in September in any subject in which he has failed in June; and he may not even be allowed to take examinations in September if his record in June seems to warrant the belief that he is not prepared to enter College that year. Candidates who divide the examination between June and September of the same year must register in June not as *Preliminary* but as *Final* candidates. In September they must present themselves at 8 A.M. on the *first day* of the Examinations, Thursday, September 24 (see p. 215).

## Optional Examinations. Anticipation of College Studies.

In addition to the examinations required for admission to College, optional examinations are provided for such candidates as have extended their studies beyond the requirements.

* Advanced (not Elementary) Physics and Chemistry count as *two* hours each.

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I. A candidate may present himself for examination in any of the Advanced Studies not offered by him for admission, and thus qualify himself to pursue more advanced courses in those subjects in College.

II. A candidate may present himself for additional examination in one or more of the following studies: (*a*) the prescribed courses of the Freshman year (see p. 212); (*b*) any elective courses intended primarily for undergraduates, provided the courses are of such a character that they may properly be anticipated by examination, (see p. 212).

The examinations in prescribed Freshman English and in those elective studies which correspond to "Advanced Studies" (see the foot-note on page 202), may be taken either in June or in September, or partly in June and partly in September; but a candidate who fails to pass in any study in June will not be examined in that study again in September.

The examinations in *other elective* studies are held *in the autumn only*. Written notice of the intention to take these examinations must be in the hands of the Corresponding Secretary not later than *September 10*.

For the times and the places of examination, see pp. 213, 214.

### Uses of Optional Examinations.

A student who has anticipated any of the studies of the Freshman year by means of the optional examinations may substitute in place thereof any elective courses which he is qualified to pursue.

Studies anticipated may be counted toward the degree in the manner herein provided: —

(1) If the studies anticipated amount to one half of the work of the Freshman year, the student may, upon application, be admitted to the Sophomore class, subject to the condition of making up the deficiency in his Freshman studies, in accordance with the rules of the Faculty.

(2) In any case, the studies anticipated shall be placed to the student's credit, and may be used towards satisfying the requirements for the degree of Bachelor of Arts, in either of the following ways: —

(*a*) The student may obtain leave from the Faculty to fulfil the requirements for the degree in three years by taking additional elective studies under the rules of the Faculty.

(*b*) The number of courses regularly required in the Senior year, or in the Senior and Junior years, may be reduced by the amount of the studies anticipated. Permission to make such reduction will be granted, however, only for the purpose of enabling the student to devote time thus gained to his remaining studies, or to studies in a professional school.

Applications under (*a*) and (*b*) will not ordinarily be acted upon until the close of the student's first year; and the decision upon them will depend upon the quality of the student's record both in his examination for admission, and in his college work.

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## Prescribed Studies of the Freshman Year.

Applicants for advanced standing (see below) and candidates anticipating Freshman studies are examined in the following studies, which correspond to the prescribed studies of the Freshman year. For the times set for these examinations, see p. 216.

For elective studies, see pp. 216, 217.

1. ENGLISH. — *Composition:* Hill's Principles of Rhetoric (edition of 1895); Practice in writing. — *Literature:* Swift's Battle of the Books and Gulliver's Travels; Defoe's Robinson Crusoe (Part I); The Sir Roger de Coverley Papers in the Spectator; Pope's Rape of the Lock, Epistle to Arbuthnot, and Iliad I, VI, XXII; The lives of Swift, Defoe, and Pope in the English Men of Letters Series; Thackeray's English Humourists and Henry Esmond.*

2. GERMAN *or* FRENCH (whichever the student did not offer at the examination for admission. See Elementary Studies 4 and 5, page 205).

## Admission to Advanced Standing.

Students may be admitted to advanced standing either (I) by examination, or (II) from other colleges without complete examination.

I. BY EXAMINATION. A candidate may be admitted to the Sophomore, Junior, or Senior Class, if he appear on examination to be versed in the following studies: —

1. The studies required for admission to the Freshman Class (pp. 202–208).

2. All the prescribed studies already pursued by the class for which he offers himself, and as many elective studies as he would have pursued if he had entered at the beginning of the course (see pp. 219, 220).

Examinations for advanced standing are held in such courses only as are intended primarily for undergraduates; and, among these, in such only as may reasonably be anticipated by examination. No laboratory course, no course in composition or discussion, and no other course in which an examination is obviously an inadequate test may be offered for admission to advanced standing.

A candidate may be admitted in spite of deficiencies in some of these studies; but no candidate so admitted is recommended for the degree till he has made good his deficiencies to the satisfaction of the Faculty.

Candidates for admission to advanced standing may divide the examination between June and September; but a candidate who fails in any subject in June will not be examined again in that subject in September.

* Elective courses in English are open, on the same terms as to Sophomores, to students who have anticipated the prescribed English of the Freshman year.

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For the times and the places of examinations, see pp. 213–215.

The Corresponding Secretary must receive, not later than *September 10*, a written notice specifying the elective course or courses in which the candidate wishes to be examined.

II. WITHOUT COMPLETE EXAMINATION. Graduates of other colleges, and students from the higher classes of other colleges, may be admitted without examination, and assigned to those classes for which their previous training seems to qualify them. Every case is decided on its own merits; but students from other colleges are not admitted *ad eundem* without examination.

Applications are acted on promptly, at any season of the year. Every person wishing to enter Harvard College under this provision must make a complete written statement of the work on which he bases his application. In this he should state how old he is; at what school or schools he received his preparatory training; how long he attended each school; what he studied; how much time he gave to each of the more important studies; and how far he advanced in each before he entered college.

Blank forms of application for admission to advanced standing may be obtained from the Corresponding Secretary of the University, No. 5 University Hall, Cambridge.

Much importance is attached to the quality of the work offered. The applicant is expected to furnish official statements of his rank or grade in his various college studies; and letters, or other evidence, showing the opinion his instructors have formed of his character and scholarship.

Candidates from other colleges may be admitted to Harvard College in spite of some deficiencies in their work, on condition that they shall make good these deficiencies before receiving the degree. Deficiency in one direction may be offset by unusual attainments in another.

## Times and Places of Examination.

### EXAMINATION FOR ADMISSION TO THE FRESHMAN CLASS.

Two regular examinations for admission to the *Freshman* Class are held each year, — one at the beginning of the summer vacation, and the other before the beginning of the academic year in the autumn.

#### *First Examination.*

In 1896, the *first examination* will be held on Tuesday Thursday, Friday, and Saturday, June 23, 25, 26, and 27.

Candidates who wish to take any of the examinations held on the first day must assemble punctually at 8 A.M. on that day. All other candidates must present themselves punctually at 8 A.M. on the second day.

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The examinations will be held in the following places: —

In *Cambridge*, in Sever Hall.

In *Quincy*, in the rooms of the Adams Academy.

In *Andover*, in the rooms of the Phillips Academy.

In *Groton*, in the rooms of the Groton School.

In *Southborough*, in the rooms of St. Mark's School.

In *Worcester*, in Curtis Hall, the Young Men's Christian Association building, Elm Street.

In *Exeter, N. H.*, in the rooms of Phillips Exeter Academy.

In *Concord, N. H.*, in the rooms of St. Paul's School.

In *Portland, Me.*, in the rooms of the Portland High School.

In *Lakeville, Conn.*, in the rooms of the Hotchkiss School.

In *New York, N. Y.*, in the lecture-room of the Young Men's Christian Association, Twenty-third Street, corner of Fourth Avenue.

In *Garden City, N. Y.*, in the rooms of St. Paul's Cathedral School.

In *Albany, N. Y.*, in the rooms of the Young Men's Christian Association.

In *Buffalo, N. Y.*, in the High School building, corner of Court and Franklin Streets.

In *Lawrenceville, N. J.*, in the rooms of the Lawrenceville School.

In *Philadelphia, Pa.*, in the rooms of the Young Men's Christian Association Building, corner of Fifteenth and Chestnut Streets.

In *Washington, D. C.*, in the rooms of the Young Men's Christian Association.

In *Cleveland, O.*, in the Central High School building.

In *Cincinnati, O.*, in the rooms of the Law School, College Building, Walnut Street.

In *Chicago, Ill.*, in rooms of the Chicago Athenaeum, Van Buren Street.

In *Minneapolis, Minn.*, in lecture-room of the Public Library building.

In *St. Louis, Mo.*, in the Board of Education building, corner of Ninth and Locust Streets.

In *Omaha, Neb.*, in the rooms of the Young Men's Christian Association.

In *Denver, Col.*, in the rooms of the Denver High School (District No. 1), corner of Nineteenth and Stout Streets.

In *San Francisco, Cal.*, in the rooms of the Mechanics' Institute, 31 Post Street.

In *Belmont, Cal.*, in the rooms of the Belmont School.

In *Portland, Oregon.*

In *Bonn, Germany*, at the Hotel Kley.

In *Tokyo, Japan.*

The College will ordinarily conduct the admission examinations in June in any school or city where the number of candidates for examination, Preliminary or Final, shall be not less than ten; provided that the school

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or city be not within easy reach of one of the regular places of examination. Applications for examinations in June, in schools or cities not named above, should be made to the Corresponding Secretary of Harvard University as early as the 1st of April.

### Notice Required.

For the notice and the fees required of candidates examined in any place other than Cambridge, see p. 202.

### *Second Examination.*

The *second examination* will be held *in Cambridge only*, on Thursday, Friday, Saturday, and Monday, September 24, 25, 26, and 28.

All candidates must present themselves punctually at 8 A.M. on the *first* day of the examination.

### Order of Examinations.

*Tuesday, June 23.*

| | |
|---|---|
| 8 A.M. | Candidates offering Advanced German, Advanced Chemistry, Advanced Physics, Advanced Algebra, or Analytic Geometry meet the officer in charge of the examinations. |
| 9–11. | Advanced German. |
| 11½–12½. | Advanced Chemistry (written examination). |
| 12¾– 1¾. | Advanced Algebra. |
| 2 – 3. | Analytic Geometry. |
| 3 – 4. | Advanced Physics (written examination). |

*Thursday, June 25, and Thursday, September 24.*

| | | | |
|---|---|---|---|
| 8 A.M. | Candidates meet the officer in charge of the examinations. | | |
| 9–11. | Elementary Latin. | 2½–3½. | Latin Composition. |
| 11½–1½. | Elementary Greek. | 4–6. | Advanced Latin. |

*Friday, June 26, and Friday, September 25.*

| | | | |
|---|---|---|---|
| 8–9. | Elementary Physics. | 11¾–12¾. | History. |
| 9½–10½. | Plane Geometry. | 1½– 3½. | English. |
| 10½–11½. | Algebra. | 3¾– 5¾. | Advanced Greek. |

*Saturday, June 27, and Saturday, September 26.*

| | | | |
|---|---|---|---|
| 8–10. | Advanced French. | 1½–2½. | Elem. French (French *A*). |
| 10½–11½. | Log. and Trigonometry. | 2½–3½. | Elem. German (Germ. *A*). |
| 11½–12½. | Greek Composition. | 3¾–4¾. | Solid Geometry. |

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*Monday, September 28.*

8 A.M. Candidates offering Advanced German, Advanced Chemistry, Advanced Physics, Advanced Algebra, or Analytic Geometry meet the officer in charge of the examinations.
9–11. Advanced German.
11½–12½. Advanced Chemistry (written examination).
12¾– 1¾. Advanced Algebra.
2 – 3. Analytic Geometry.
3 – 4. Advanced Physics (written examination).

LABORATORY EXAMINATIONS.

The stated time for the laboratory examination in Elementary Experimental Physics is Thursday, Friday, and Saturday of the examination periods; in Advanced Physics and Chemistry, Tuesday of the June period and Monday of the September period. On these days the examinations are held in Cambridge only, and appointments for them will be made when the candidates meet the officer in charge of the examinations.

In June, classes from schools near Cambridge may, by special arrangement, take the laboratory examinations in Physics and Chemistry on earlier days.

Laboratory examinations in Physics and Chemistry, but only for those who have previously passed the written examination and received a provisional mark (see p. 209), will be held as follows: Elementary and Advanced Physics on Wednesday, September 30, at 2 P.M. in the Jefferson Physical Laboratory (these examinations, however, may, if desired, be taken at the stated times as given above): Advanced Chemistry on Wednesday, September 30, at 2 P.M. in Boylston Hall.

EXAMINATIONS IN THE PRESCRIBED STUDIES OF THE FRESHMAN YEAR.

In 1896, the examination in English *A* will be held in accordance with the programme given below. This examination, formerly held in Cambridge only, is now held, *in June*, at all the places named on p. 214.

*Tuesday, June 23, and Monday, September 28.*

4–6 P.M. English *A*.

The examinations in French *A* and German *A* correspond to the admission examinations in Elementary French and German (see p. 205), and will be held on Saturday, June 27, and Saturday, September 26.

EXAMINATIONS IN ELECTIVE STUDIES.

Examinations in elective studies that are not equivalent to advanced admission studies are held only in the first fortnight of the Academic year

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and only in Cambridge. Written notice of intention to take these examinations must be in the hands of the Corresponding Secretary not later than September 10. The examinations in such elective studies as correspond to advanced admission studies (see foot-note on page 202) are identical with the examinations in the latter, and must be taken at the same times and places.

## II. ADMISSION OF SPECIAL STUDENTS.

The courses of study in Harvard College are open to persons who give satisfactory evidence of their fitness to pursue the particular courses they elect, although they have not passed the usual examinations for admission to College. These students are known as Special Students; they are members of the College from the time of their admission, but are not recognized as candidates for the degree of Bachelor of Arts.*

Candidates for admission to the College as Special Students will be furnished by the Corresponding Secretary (No. 5. University Hall) with blank forms of application, which should be duly filled and returned to the Secretary. Candidates are advised to send in their applications before the middle of July. Such applications will be acted upon promptly after the receipt of all necessary papers; and the decision of the committee will be made known to the candidate at once. Applications will be received later in vacation; but equally prompt action upon them cannot always be secured.

Special Students are subject to all the regulations of the College: their names are entered upon the annual rank-lists, and these lists are sent to their parents or guardians; and they are allowed to compete for Honors on the same terms as undergraduates.

The Faculty may deprive any Special Student of his privileges at any time, if he abuse or fail to use them.

For further information about Special Students, see p. 221.

## REGISTRATION.

Every College student (except those specified in the next sentence) is required to present himself for registration, at a place to be announced on the bulletin boards, on *Thursday*, the first day of the academic year, between 9 A.M. and 1 P.M. But every College student who has failed of promotion in the work of the preceding year is required to register on the Wednesday before the first Thursday of the academic year, between 9 A.M. and 1 P.M. Every College student is also required to register between 9 A. M. and 1 P. M., on the first week day after the Christmas recess and after the April recess.

* In order to be recommended for the degree of A.B., a student, unless he be a member of the Graduate School, must have been registered in Harvard College as a candidate for that degree, for at least one year.

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Special Students whose applications have been approved by the committee, will present themselves for registration on Thursday, the first day of the academic year, at an hour and a place announced on the official bulletin-board in University Hall.

## ENROLMENT.

In addition to the registration prescribed above, every College student is required to enroll himself at the first exercise in each of his studies, prescribed and elective; or, in case he has obtained leave to change his studies, at the first exercise after his admission to the new course.

The exercises are held at the hours set down in the Announcement and at places to be announced on the bulletin boards. *They will begin on the first Thursday of the academic year, at half-past one o'clock* P.M.

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# COLLEGE STUDIES.

## STUDIES OF UNDERGRADUATES.

### FRESHMAN YEAR.

#### Prescribed Studies.

Rhetoric and English Composition. (English *A*.) *Three times a week.*

German *or* French (German *A* or *B*, or French *A*); prescribed for those only who have not presented both German and French for admission. *Three times a week.*

#### Elective Studies.

In addition to the prescribed studies named above, every Freshman for whom German or French is prescribed is required to take elective studies amounting to *three full courses;* and every other Freshman is required to take elective studies amounting to four full courses. No Freshman may elect more than two courses in the same department except by special permission of the Dean.

The following elective courses are regularly open to such Freshmen as are qualified to take them: —

Greek *A*, *B*, *C*, *E* (half-course), *F* (half-course).
Latin *A*, *B*, *C*, *D*, *E* (half-course), *F* (half-course).
English 28 (half-course).
German *B*, equivalent to German *A* and a half-course of elective work.
*C*, 1*a*, 1*b*, 1*c*, *E* (half-course), *F* (half-course), 2, 3, 4, 6.
French 1*b*, 1*c*, 1*a*, 2*c*, 2*a*, 3 (half-course), 4 (half-course).
Italian 1, *or* Spanish 1.
History 1.
Government 1 (half-course).
Fine Arts 1.
Music 1.
Mathematics *A* (half-course), *B* (half-course), *C*, *D* (half-course), *E* (half-course), *F*.
Engineering 3*a*, 4*a*.
Physics *B* (half-course), 1, *C*.
Chemistry *B*, 1.
Mineralogy 2.
Botany 1 (half-course).
Zoölogy 1 (half-course).
Geology 4 (whole or half-course), 1 (half-course), 2 (half-course).

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Higher courses in the studies named above and courses in other departments are open to such Freshmen as obtain written permission from the instructors.

No study presented in satisfaction of the requirements for admission may be counted as College work. A student who has failed at his admission examinations in any study taught in College, may make good the deficiency either by taking the corresponding course as an *additional study* (see below), or by merely passing the mid-year and final examinations in the course, provided that in the latter case he give notice of his intention one month in advance. (In laboratory courses, however, the second plan is impracticable.)

☞ Admission conditions must be removed before the beginning of the Junior year.

### Advisers.

The Freshman class is placed under the special charge of a Committee of the Faculty, each member of which acts as adviser to a certain portion of the class. *Every Freshman is required to submit his choice of studies to his adviser at or before the beginning of the year;* and his work is to be carried on under the supervision of that officer. He may consult his adviser upon any topic relating to his college life.

## SOPHOMORE, JUNIOR, AND SENIOR YEARS.

The prescribed work of the Sophomore and Junior years consists of Themes and Forensics* (English *B* and *C*).† No studies are prescribed for the Senior year.

Every Sophomore, Junior, and Senior is required to take *four elective courses* or an equivalent amount of courses and half-courses. Without permission from the Dean, he shall not take less than the equivalent of three complete half-courses, during either half-year. The choice in all cases must be made in accordance with the directions given below (p. 222).

## ADDITIONAL STUDIES.

A student whose record of work performed is complete at the beginning of any year may take elective studies in excess of the amount required (see above), to the extent of one course in his Freshman year, and of two courses in any subsequent year. In each of the studies pursued under this provision the student assumes the same responsibility, and is entitled to

* For Forensics *candidates for Final or Second-Year Honors* may substitute Theses in their special departments, provided such substitution be approved by the instructors in those departments, and by the instructor in Forensics; but no thesis that forms part of the work in any of the student's regular courses shall be so substituted.

† The instructors in English *B* and *C* are authorized to accept, as themes and forensics, written work done in elective courses.

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the same privileges, as if his work were limited to the required amount. He may, however, at any time withdraw from any study which he is pursuing in excess of the required amount, by giving written notice to the Recorder.

A student whose record is deficient at the beginning of any year, is expected to pursue during that year such studies, in addition to those otherwise required, as may be necessary to make up the deficiency in accordance with the Regulations; and these additional studies will be treated in all respects as part of his regular work. With the consent of the Dean, he may take additional studies beyond the amount necessary to make up his deficiency, under the conditions stated in the foregoing paragraph.

A student wishing to make up a deficiency in a prescribed course by passing the mid-year and final examinations in that course, must give the Recorder notice of his intention to take the examinations, *before December 20*.

## EXTRA STUDIES.

A student who wishes, without assuming all the responsibilities of a regular study, to attend the instruction in any course, may do so on obtaining leave of the instructor; but no record will be kept of his attendance, and he will receive no credit in the College books for work done in the course.

## STUDIES OF SPECIAL STUDENTS.

Special Students are under the charge of a Committee of the Faculty; and each student is under the particular supervision of a member of the committee, who acts as his adviser. Every Special Student is required to meet his adviser before the beginning of the academic year, at a time and a place to be announced on the official bulletin boards, and to submit his choice of studies in writing for approval.

Every Special Student is required to take in one year not less than four and not more than six courses or their equivalent.

A certificate of proficiency will be given, if desired, to any Special Student who has faithfully pursued his chosen subjects throughout a year and attained therein a grade not lower than Grade *B**.

A Special Student who has passed in twelve elective courses, and has stood above Grade *C** in six courses (or their equivalent) without falling below Grade *C* in any course, may on application receive a certificate on Commencement Day, and be named on the Commencement Programme as a Candidate for a Certificate.

A Special Student who has taken Honors shall receive a certificate on Commencement Day, shall be named on the Commencement Programme both as a Candidate for a Certificate and as a Candidate for Honors, and shall be named in the next Annual Catalogue in the list of students to whom Honors have been awarded.

* See p. 223.

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## CHOICE OF COLLEGE STUDIES.

In making his choice, the student is limited to those studies which his previous training qualifies him to pursue; and he must observe any restrictions that may be attached to the particular courses he wishes to select. *He is further required to avoid any conflict of recitation hours or of examinations between his courses.*

No starred (*) course may be chosen without the *previous* consent of the instructor. Application should be made, if possible, before the summer vacation.

An undergraduate who wishes to take a Graduate course is required to consult the instructor in advance; if possible, he should do this before the summer vacation. He will be admitted to the course on the recommendation of the instructor, which must be written on the back of the card on which he writes his list of studies.

Not more than one *Course of Research* may be taken in any year by an undergraduate.

## LISTS OF STUDIES.

Every College student is further required to hand in, on the first Saturday of the academic year, between the hours of 2 and 4 P.M., at a place to be announced on the bulletin boards, a list of his studies, both prescribed and elective, *for the whole year*. This list must be written on a card provided for the purpose; and, if the student is a Freshman or a Special Student, it must be signed by his Adviser. *Extra* studies are not to be included in the list.

It is of the utmost importance that the student should have fully considered and decided upon his plan of study before the first Saturday of the academic year, as changes from the lists first handed in are not allowed except for causes which could not have been foreseen. Changes may be made only with permission of a Committee of the Faculty, to whom application must be made in writing (on a blank form to be obtained at the Office) with a full statement of reasons. Special Students should apply to the Committee on Special Students.

Students are strongly urged to choose their studies with the utmost care, under the best advice, and in such a manner that their studies from first to last may form a rationally connected whole. It is believed that any plan of study, deliberately made and adhered to, will be more profitable than studies chosen from year to year, without plan, under the influence of temporary preferences.

It will be seen that students who prefer a course like that usually prescribed by American colleges may secure it by a corresponding choice of studies; while others, who have decided tastes, or think it wiser

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to concentrate their study on a few subjects, obtain every facility for doing so.

Undergraduates who intend to study Engineering are advised to consult the Professor of Engineering with reference to the best courses for them to take in College. Those who intend to study Architecture are advised to consult the Assistant Professor of Architecture. To those who intend to study Medicine the Medical Faculty recommends Natural History, Chemistry, Physics, French, and German. To those who intend to study Law the Law Faculty recommends Latin, French, Themes and Forensics, Elocution, Oral Discussion, Rhetoric, Logic, Ethics, Political Economy, Constitutional and Legal History and the History of Institutions, International Law, and Roman Law.

## SCALES OF SCHOLARSHIP.

At the end of every academic year the standing of a student in each of his courses is expressed, according to his proficiency, by one of five grades, designated respectively by the letters *A*, *B*, *C*, *D*, *E*.

A student who has failed in a course is assigned to Grade *E*. Notice of such failure is sent by the Dean to the student's father or guardian.

In each course the names of those students who have attained Grade *A*, or Grade *B* are printed, the names for each grade being arranged in alphabetical order; and these lists are sent to the father or recognized guardian of each student. If a student has fallen below Grade *B* in any study, his grade is reported to his father or guardian.

Every student is required to satisfy the instructor in each of his courses, in such way as the instructor may determine, that he is performing the work of the course in a systematic manner. The instructor will provide tests, with sufficient frequency to give effect to this regulation, and will report at once to the Dean the names of any students who have not satisfied him that they are doing their work systematically.

Any instructor, with the approval of the Dean, may at any time exclude from his course a student who in his judgment has neglected the work of the course. Such exclusion shall be reported to the Administrative Board at its next meeting.

A student who has been excluded from one or more courses may be required to place himself under the direction of a person approved by the Dean.

## DEGREE OF BACHELOR OF ARTS.

In order to be recommended for the degree of Bachelor of Arts a student must have passed in all prescribed studies and in the requisite number of elective courses. He must, moreover, have stood above Grade *D* in at least one half of all his college work, and in at least one half of the work of his Senior year.

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Any student who has not complied with the requirements for a degree before the end of his college course may be recommended for a degree in a subsequent year, when he has made up all deficiencies in his record.

## DEGREE WITH DISTINCTION.

A student recommended for the degree of Bachelor of Arts may be recommended either for an *ordinary* degree or for a degree *with distinction* in one of three grades.

Any member of the graduating class who has attained Grade *C* or a higher grade in *eighteen* courses or their equivalent, or who has attained Grade *C* or a higher grade in as many courses as he is required to pursue for the degree, is recommended for a degree with distinction on the following conditions: —

If he has attained Grade *A* in *fifteen* courses or their equivalent, or has received Highest Final Honors in any department, he is recommended for a degree *summa cum laude;*

If he has attained Grade *A* in *nine* courses or their equivalent, or Grade *A* or *B* in *fifteen* courses or their equivalent, or has received Final Honors in any department, he is recommended for a degree *magna cum laude;*

If he has attained Grade *A* or *B* in *nine* courses or their equivalent, or has received Honorable Mention *twice*, he is recommended for a degree *cum laude.*

The cases of members of the graduating class of very high rank who have not fulfilled the foregoing requirements are considered on their merits.

The reason for the grade of distinction in the degree is stated in the diploma.

A Commencement Part is assigned to every student recommended for a degree with distinction.

### Commencement Parts.

A Commencement Part is assigned to every student recommended for a degree with distinction: an oration to a candidate for a degree *summa cum laude*, a dissertation to a candidate for a degree *magna cum laude*, and a disquisition to a candidate for a degree *cum laude.* The words *oration*, *dissertation*, and *disquisition*, indicate merely the grades of distinction, and do not imply difference in the nature of the Commencement Parts.

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# HONORS.

## SECOND-YEAR HONORS IN CLASSICS, IN HISTORY AND GOVERNMENT, IN MATHEMATICS, AND IN PHYSICS.

Second-Year Honors of two grades — *Honors* and *Highest Honors* — are awarded by the Faculty of Arts and Sciences, on the recommendation of special committees of examiners; and the award is printed with the annual Rank Lists and in the University Catalogue. These Honors are open to Sophomores, Juniors, and Seniors; they are open to Freshmen by special permission only.

No one may be a candidate at graduation for Final Honors (see p. 226) in Classics*, Mathematics, or Physics who has not taken Second-Year Honors in the same department; and no one may be a candidate for Honors in Sanskrit who has not taken Second-Year Honors in Classics.

Candidates for Second-Year Honors are required to register their names at the Dean's office as early as *the first day of April* of the year in which they present themselves for examination. Candidates for Second-Year Honors in Classics or in Physics will designate at the same time which elective courses they intend to offer in order to make up the number required.

### I. Classics.

Second-Year Honors in *Classics* are awarded on two conditions: (1) distinguished excellence in classical studies amounting to *four courses;* (2) distinction in special examinations. The special examinations test:

(*a*) The candidate's ability to translate Greek and Latin at sight. (The passages set for this purpose are taken from the following writers only: Homer, Aeschylus, Sophocles, Euripides, Aristophanes, Thucydides, Herodotus, Xenophon, Lysias, Plato, Demosthenes; Terence, Virgil, Horace, Ovid, Caesar, Cicero, Nepos, Sallust, Livy, Velleius Paterculus, Tacitus.)

(*b*) His ability to write Greek and Latin prose.

(*c*) His knowledge of Greek and Roman history, antiquities, and mythology; of Greek and Roman literary history, so far as it relates to the writers named above; and of Greek and Latin Grammar.

These special examinations begin on the first Saturday in May.

* For an exception in the case of Classics, see p. 227.

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### II. History and Government.

Second-Year Honors in *History and Government* are awarded on three conditions: — (1) Distinguished excellence in three and one half courses in History and Government, or in three such courses and one in Political Economy; (2) distinction in a special examination, which shall be a test of the candidate's general acquirements in History and Government; (3) the study of a special topic, upon which the candidate may be required to report in written form.

### III. Mathematics.

Second-Year Honors in *Mathematics* are awarded on two conditions: (1) distinguished excellence in such mathematical courses as may be approved for candidates for these honors; (2) distinction in a special examination, which may be extended to cover the whole mathematical knowledge of the candidate. The special examination is held near the end of the academic year.

The courses regularly approved for candidates for Second-Year Honors in Mathematics are: —

Courses *A* and *E*, or the corresponding admission examinations; Course *D*; Course *C*; Course 2; and Course 3, Course 5, or Course 6.

Substitutions for these courses may be allowed on special petition.

### IV. Physics.

Second-Year Honors in *Physics* are awarded on two conditions: (1) distinguished excellence in two full elective courses in Physics and the equivalent of one other elective course either in Physics or in Mathematics;* (2) distinction in a special examination which shall be a test of the candidate's general acquirements in Physics.

## HONORS AT GRADUATION (FINAL HONORS).

Honors of two grades — *Honors* and *Highest Honors* — are awarded by the Faculty of Arts and Sciences, with the degree of Bachelor or Master of Arts, or Bachelor of Science, for great proficiency in any of the following subjects: Semitic Languages and History; Sanskrit; Classics; English; Modern Literature; (after 1896, Germanic Languages and Literatures and Romance Languages and Literatures: see p. 228); Philosophy; Political Science; History and Government; Music; Mathematics; Physics; Chemistry; Natural History.

The qualifications required for Honors in these subjects respectively are as follows: —

* The Advanced Physics of the examination for admission may be substituted for a full course in Physics.

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In *Semitic Languages* the candidate must have taken the equivalent of five courses, and must also have performed such additional work as may be required of him.

In *Sanskrit* the candidate must have received Second-Year Honors in Classics, and must have taken two courses in Sanskrit, one in Pāli, and one of the following: a course in Comparative Philology; Philosophy 13; Pāli 5.

In *Classics* the candidate must have taken the equivalent of six courses. He may count among the six one course in Sanskrit; of the following courses he may count only one; Greek 10, Latin 10, History 17, History 18. He must be able to read ordinary Greek and Latin at sight and to write Greek and Latin prose; and must have taken Second-Year Honors in Classics: but students admitted to College as Seniors, and students in their first year in the Graduate School who are candidates for the degree of A.M., may, on the recommendation of the Classical Department, upon evidence of good work done elsewhere, be admitted to candidacy without having taken Second-Year Honors, and may be excused from two of the six courses regularly required.

In *English* the candidate must have taken elective work amounting to six courses, one of which must be a course in writing English. If he has not taken English 3[1], he must give evidence of his ability to read ordinary Anglo-Saxon prose. An oral examination and a thesis are required.*

Courses in Elocution and courses in Oral Discussion are not counted for Honors in English.

In *Modern Literature* the candidate must be able to read French and German with facility at sight, and must have taken two elective courses, or their equivalent, in English, two in German, and two in French. These he may choose from among the following: In English, 1, 2, 7, 8, 9, 11, 14, 15, 16, 17, 20 (if the plan of study be suitable), 20*a*, 23, 24, 29; in German, 2, 3, 4, 5, 8, 9, 10, 11, and the courses in Germanic Philology; in French, 6, 7, 8, 9, 10, 11, 12, 20, 20*a*, 20*b*. Course 3 or 4 in Italian, or Course 3 in Spanish, may be substituted for any French or any German course above-mentioned; but no substitution will be allowed for English. A thesis is required of each candidate, and an oral examination.* The latter

* Candidates must be ready for the special examination by June 1.

The oral examination may be expected to extend to about three quarters of an hour. A written examination, in addition to the oral, will be allowed to any candidate who may wish it.

The thesis, limited to 7500 words, must be handed in (at the Secretary's office) not later than *May 20*. The subject of the thesis must have been submitted to the appropriate instructor.

Information as to the subject proposed for the thesis, and as to the author presented for the special examination in Modern Literature, must be sent with the certified approval of an instructor to the chairman of the Department of English, or of the Division of Modern Literature, not later than the *first day of the second half-year*.

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includes a thorough examination in the works of some author that the candidate selects with the approval of the committee of examiners.

In and after 1897 Honors in Modern Literature will not be given. Candidates may present themselves for Honors in English, in Germanic Languages and Literatures, or in Romance Languages and Literatures.

In Germanic Languages and Literatures the candidate must have a knowledge of Greek at least equal to that required for passing the examination in Elementary Greek at admission, must show a reading knowledge of Latin, German, and French, and must present as his major subject either the English or the German language and literature, and as minor subjects that one of these two not chosen as his major subject and either Germanic Philology or Comparative Literature. In the minor subjects the requirements will include: for English, an outline knowledge of the history of the literature or of the history of the language, and a more detailed knowledge of some period of the literature; for German, a good knowledge of the classic period of modern German literature and ability to write in German a short theme on some subject connected with the works of German literature which the candidate has studied; for Germanic Philology, Gothic or Old High German or Icelandic; for Comparative Literature, an outline knowledge of mediaeval European literature. In the major subject the candidate must be able to write the language concerned with considerable readiness and correctness, and must have a somewhat detailed knowledge of the literature and of the history of the language in such proportions as may be approved by the Division of Modern Languages.

The candidate must present a thesis on a subject approved by the Division, and must pass an examination, orally and in writing, on the general field covered by his studies.

No student will receive honors who fails to attain distinction in work amounting to five courses selected from the following list: German 2, 3, 4, *G*, 6 [the candidate shall not present more than the amount of two courses from among German 2, 3, 4, *G*, 6], 5, 8, 9, 10, 11; English $3^1$, 1, 2, 23, 11, 7, 8, 9, 13, 19, 16, $3^2$, 25, 4, 21, 26, 17, 14, 15, 24, 20, 20*a*; all courses in Germanic Philology; Comparative Literature 2, 21. The candidate's choice of courses must be presented for the approval of the Division of Modern Languages not later than October 23 in his final year of preparation.

In special cases the substitution of equivalents for a portion of the requirements indicated above may be allowed.

In Romance Languages and Literatures the candidate must have a knowledge of Greek at least equal to that required for passing the examination in Elementary Greek at admission, must show a reading knowledge of Latin, French, and German, and must present as his major subject the French or the Italian or the Spanish language and literature, and as two

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minor subjects the other two of these; but either Romance Philology or Comparative Literature, or both, may be substituted as minor subjects. If French, Italian, or Spanish is a minor subject, the candidate must be able to use easily books written in the language concerned, must show a mastery of grammatical principles by writing in it, and must also have an outline knowledge of the history of the literature; if Romance Philology is chosen as a minor subject, he must have a knowledge of old French or Provençal; if Comparative Literature, he must have an outline knowledge of mediaeval European literature. In the major subject the candidate must be able to write the language concerned with considerable readiness and correctness, and must have a somewhat detailed knowledge of the literature and an outline knowledge of the history of the language itself.

The candidate must present a thesis on a subject approved by the Division of Modern Languages, and must pass an examination, orally and in writing, on the general field covered by his studies.

No student will receive honors who fails to attain distinction in work amounting to five courses selected from the following list: French 5, 6, 7, 8, 9, 10, 11, 12, 13, 20, 20*a*, 20*b*; Italian 2, 3, 4; Spanish 2, 3; all courses in Romance Philology and in Comparative Literature. The candidate's choice of courses must be presented for the approval of the Division of Modern Languages not later than October 23 in his final year of preparation.

In special cases the substitution of equivalents for a portion of the work indicated above may be allowed.

When honors are awarded in either Germanic Languages and Literatures, or Romance Languages and Literatures, the major subject shall be named in the diploma.

In *Philosophy* the requirements are as follows:—

1. The candidate must have passed with distinction in Course 1, in one Systematic Course, and in two other courses chosen from the advanced courses in Philosophy or from the Additional Courses of p. 15 of the Programme of the Department of Philosophy; and he must have passed creditably in two courses selected from the list of Auxiliary Subjects (*ibid.* p. 16).

2. He must pass a special examination in the outlines of the history of Modern Philosophy.

3. Either by special examination or by thesis, he must show a thorough acquaintance with the work of two philosophers, ancient or modern, whose lives are separated from one another by a considerable interval of time.

4. To prove his philosophic power, he must write at short notice a thesis on a topic drawn from that one of the Systematic Courses which he himself selects.

[Candidates who have studied at other colleges may present equivalents for half the courses here prescribed.]

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In *History and Government* the candidate must usually have taken Second-Year Honors in History and Government.

Not later than *October 10* of his final year of preparation, the candidate must present, for approval by the Division of History and Political Science, a plan of study, which shall comprise at least five courses, not elementary, selected from those offered under History and Government. It is expected that one of these will generally be a Seminary course. Courses not elementary, presented for Second-Year Honors, may be included in the five courses required for Final Honors.

Besides this minimum requirement, the candidate may indicate in his plan of study any further historical work done or planned by him, the character and range of which will then be an element in determining the award of Honors.

Such work may, with the approval of the Division Committee, include courses of study of an historical character offered by other departments of the University.

The candidate must present a thesis, which may also be counted as a part of his work in one or more courses, and must pass an examination on the general field of his historical study.

In *Political Science* the candidate must present for approval by the Division of History and Political Science, not later than *October 10* of his final year of preparation, a plan of study which shall comprise not less than five courses selected from those offered under History and Government and Economics, including at least one course in Economics, one in Constitutional History or Constitutional Government, and one in International Law or Roman Law.

The candidate may also state in his plan of study further work in Political Science, which he desires to have considered in determining the award of Honors.

The candidate must present a thesis, which may be counted as a part of his work in one or more courses, and must pass an examination on the general field of his studies in Political Science.

In *Music* the candidate must have taken five courses, and must have passed all the examinations with distinction; he must also present original compositions in strict and free form.

In *Mathematics* the candidate must have received Second-Year Honors in Mathematics, must in addition have taken four advanced courses, and must also present a satisfactory thesis.

In *Physics* the candidate must have received Second-Year Honors in Physics, and must in addition have taken three advanced courses in Physics, and one other advanced course either in Physics or in Mathematics (the latter not being counted for Honors in Mathematics). He must present a satisfactory thesis, and pass an examination in General Physics.

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In *Chemistry* the candidate must have taken five courses besides Course 8. Mineralogy 2 may be presented as one of the courses, but only when Chemistry 1 is not presented. Course *B* cannot be counted. No student is accepted as a candidate for Honors unless he has passed in Courses 5 and 6; but both of these courses need not be presented among the five courses required. Highest Honors are given only to students who have done some research work.

In *Natural History* (*Botany*, *Zoölogy*, and *Geology*) the candidate must have taken six courses; but he may count Mineralogy 2 for one course in Natural History. Advanced work in the Summer School of Geology (Geology S 3) may be counted toward Honors as equivalent to Geology 22.

Every candidate for Honors in Natural History must give notice of his candidacy to the Chairman of the Division of Natural History, on or before *March 1* in his Sophomore or Junior year.

In every case the candidate must pass with distinction the regular examinations in the courses required of him; must pass, near the close of the Senior year, a special examination, conducted by a committee of the Faculty, to test the range and accuracy of his knowledge of the subject in which he offers himself for Honors; and must present such theses as may be called for.

Students who have failed to pass with distinction any of the examinations required for Honors may, with the consent of the Faculty, make up their deficiencies by passing such additional examinations as may be required of them; but no such permission is granted for failures occurring after the beginning of the Senior year.

Honors, however, will be given to graduates not entitled to them at graduation who shall have complied with all the requirements for Honors within two years after graduation. They may also be taken, at any time, with the degree of Master of Arts.

Every student who wishes to be regarded as a candidate for Honors at graduation must present a written application * to the Dean of the College before *November 1* in his Senior year; but a candidate for Honors in Natural History must give notice as stated above as early as *March 1* in his Sophomore or Junior year. No application is granted without the written recommendation of the instructors in the Department or Division concerned.

## HONORABLE MENTION AT GRADUATION.

Members of the graduating class may receive Honorable Mention, on the Commencement programme and in the next following Annual Cata-

* Blank forms of application may be obtained at the Recorder's Office.

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logue, in one or more of the following studies: Semitic Languages; Sanskrit; Greek; Latin; English Literature; English Composition; German; French; Italian and Spanish; Romance Philology; Philosophy; History; Economics; Fine Arts; Music; Mathematics; Engineering; Physics; Chemistry; Natural History. The usual ground of Honorable Mention in any study will be the attainment of Grade *A* or *B* in elective work (not elementary) in that study, amounting to *three courses*. The Faculty, however, reserve the liberty of considering individual cases on their merits, and departing from the strict application of the foregoing rule. If a student earns Honorable Mention *twice* in any study, the fact is stated.

The following special regulations have been adopted: —

*Greek.* The count must include Course 6 or 8. Of Greek 10 and History 17 only one may be counted. Courses *A*, *B*, *C*, *E*, and *F* cannot be counted.

*Latin.* Of Latin 10 and History 18 only one may be counted. Courses *A*, *B*, *C*, *D*, *E*, and *F* cannot be counted.

*English Composition.* English *B* and *C* taken together, and English *C* and 18 taken together, may each be substituted for one elective course; but no thesis substituted for a forensic will be counted for Honorable Mention unless approved by the Department of English.

*German.* Courses *B*, *C*, 1*a*, 1*b*, 1*c*, *E*, and *F* cannot be counted.

*French.* Of Courses 1*a*, 1*b*, 1*c*, 2*c*, and 2*a*, only one may be counted. Courses 3 and 4 cannot be counted.

*Italian and Spanish.* Neither Italian 1 nor Spanish 1 may be counted.

*History.* Course 1 cannot be counted. Course 1 in Government* cannot be counted.

*Mathematics.* The count must include Course 5, 6, or 8. Courses *A*, *B*, *C*, *D*, *E*, and *F* cannot be counted.

*Engineering.* Course 1*a* cannot be counted.

*Physics.* Course *B* cannot be counted. Of Courses *C* and 1, only one may be counted.

*Chemistry.* Course *B* cannot be counted. Of Course 1 and Mineralogy 2, only one may be counted.

*Natural History.* The count must include Botany 3, Zoölogy 3, or Geology 8.

No course is counted for Honorable Mention in more than one department.

* After the current year there will be a separate Honorable Mention in Government.

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# PRIZES.

## DETURS.

Meritorious students of one year's standing may receive books called *Deturs*. Seniors and Juniors may receive *Deturs* if, since the Freshman Year, they have shown sufficient improvement in scholarship. The distribution is made near the beginning of the Academic Year, from the income of the Hopkins Foundation.

## BOYLSTON PRIZES FOR ELOCUTION.

The Boylston Prizes for Elocution are awarded to Seniors and Juniors at a public competition on the second Thursday in May. The students speak, not their own compositions, but selections from English, Greek, or Latin authors; the proportion in English is to be at least two out of three. The selections must be approved by the Boylston Professor of Rhetoric and Oratory.

The competitors must enter their names with the Boylston Professor *before the last Thursday of April.* No application will be received after that time.

The Corporation, and gentlemen selected by the Corporation, will act as judges, and award the prizes as follows: —

Two First Prizes, of *sixty dollars* each; and three Second Prizes of *forty-five dollars* each. The First Prizes may be withheld if none of the competitors appear to deserve them.

At this exhibition, no prompting of the speakers will be allowed; and a failure of memory will exclude a competitor from consideration in the assignment of the Prizes.

## OTHER PRIZES.

Information regarding the Bowdoin, the Dante, the Sargent, the George B. Sohier, the Sales, the Toppan, the Sumner, the Paine and the Bennett Prizes, is given on pages 147–154.

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# PECUNIARY AID.

The aid annually available for undergraduates from Scholarships, the Price Greenleaf Fund, and the Beneficiary Fund, amounts to about forty thousand dollars. Also the income of undergraduates is sometimes increased by remunerative work — canvassing, singing, typewriting, stenography, office work, newspaper work, and, after the first year, private tutoring.

## SCHOLARSHIPS.

Of the one hundred and forty-four scholarships now available, twenty-nine with an annual value of $8050 are regularly awarded to members of the Graduate School; one hundred and fifteen, with an annual value of $25,630 are regularly awarded to undergraduates. Three of these may be assigned to Special students. The annual value of the scholarships varies from forty to four hundred and fifty dollars, the average amount being about two hundred and twenty-five dollars. Nearly all are awarded by the Corporation on the recommendation of the Faculty of Arts and Sciences or of the President. The facts considered in making an assignment are the needs of the student, and his promise *as indicated by his work in College*. A student who is not in need of aid cannot honorably apply for a scholarship; a scholarship cannot properly be awarded to one who, from physical, mental or moral weakness, gives little promise of future usefulness. The special terms under which some scholarships are assigned are stated below.

Scholarships are awarded to Sophomores, Juniors, and Seniors before the beginning of each academic year, on the basis of the work of the preceding year; and the income is paid in three instalments — January 12, April 12, and immediately after the issue of the June term-bill.

For the assignment of Price Greenleaf Aid to Freshmen and other undergraduates in their first year, see p. 246.

Scholarships are ordinarily assigned only on the basis of *a previous year of work in College*. The enjoyment of a scholarship for one year will not constitute any title to a second nomination, unless the superiority for which it was originally awarded be fully maintained. No student who has incurred a serious college censure in the course of the year will be considered a candidate for a scholarship; nor any student who obtains leave of absence for the year in which the scholarship would be payable.

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Applications of College students for scholarships should be addressed to the *Dean of Harvard College*, and must be deposited in the box at No. 5 University Hall on or before the *last Wednesday in May* of each year. The candidate must write his application on a blank form, which he may obtain at the Recorder's Office.

*Aid from the Price Greenleaf, Beneficiary, and Loan Funds must be applied for in special and separate petitions.*

A detailed list of the scholarships, arranged in alphabetical order, follows: —

ABBOT SCHOLARSHIP, with an income of one hundred and fifty dollars. A fund of two thousand dollars, contributed by persons educated at Phillips Exeter Academy, was established in 1852 in memory of Dr. Benjamin Abbot. The income of this fund is payable to such needy undergraduate as may be selected by the Faculty for scholarship and good character; descendants and other relations of Dr. Abbot and the best scholars from said Academy are to be preferred in the order named.

ALFORD SCHOLARSHIP. A bequest of one hundred and thirty three pounds, six shillings, and eight pence, from Mrs. Joanna Alford, of Charlestown, was received in 1785, the income of which is to be appropriated to the education of students in indigent circumstances. This fund is to accumulate for the present.

BARTLETT SCHOLARSHIP, with an income of two hundred and fifty dollars. A bequest of five thousand dollars from Dr. Henry Bartlett, of Roxbury, of the Class of 1820, was received in 1881, "to found or establish a scholarship, the income only to be used in aid of meritorious undergraduates who may require such assistance."

BASSETT SCHOLARSHIPS. Three, with an income of ninety dollars each. A bequest of five thousand dollars, from Francis Bassett, of Dennis, was received in 1876, the income of which is payable equally to three undergraduates, one of the Sophomore, one of the Junior, and one of the Senior Class, to be selected by the Faculty, and to stand above the medium rank in their respective Classes.

BIGELOW SCHOLARSHIPS. Two, with an income of two hundred and fifty dollars each. A bequest of ten thousand dollars from Tyler Bigelow, of Watertown, was received in 1865, the income thereof to be given to indigent undergraduates selected by the Corporation with reference to habits of industry and earnest effort, and without regard exclusively to rank.

BOWDITCH SCHOLARSHIPS. Twenty, with an income of two hundred and fifty dollars each, founded in 1860 by Nathaniel Ingersoll Bowditch, of Boston, and to be distributed by the President equally among the

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several Classes to poor and deserving students according to their rank or self-improvement. The sum of seventy thousand dollars in United States bonds was received in 1864 as the principal of this fund.

BRIGHT SCHOLARSHIPS. Five, with an income of two hundred dollars each. Established in 1880 under the will of Jonathan Brown Bright, of Waltham, with one half the income of the Bright legacy of fifty thousand dollars. Descendants of Henry Bright, Jr., of Watertown, Mass. (died 1686), who may be students in any department of Harvard University, are entitled to enjoy these scholarships; such descendants failing, the scholarships are to be applied "to the maintenance and support of any meritorious undergraduate or undergraduates of the said College whose circumstances may require pecuniary aid."

BROWNE SCHOLARSHIP, with an income of one hundred and fifty dollars. Founded by William Browne, of Salem, and his descendants. In 1687 William Browne, first, bequeathed to the College one hundred pounds, "to be improved for the bringing up of poor scholars." In 1708 Benjamin Browne bequeathed two hundred pounds for the same purpose, giving the preference to Salem scholars. In 1716 Major William Browne, second, brother to Benjamin, bequeathed one hundred pounds, the income to be used to help support his descendants while students at the College; if none there, then to help maintain poor scholars from Salem. In 1720 Colonel Samuel Browne gave one hundred and fifty pounds for the same purpose; and added to this gift by his will, in 1731, his estate in Hopkinton, the income therefrom to be used for bringing up poor scholars, those recommended by his posterity to be preferred.

BURR SCHOLARSHIPS. Three, with an income of two hundred dollars each. Established in 1895 from the residuary bequest of Mrs. Sophia Gage Burr, the income of the fund to be applied "to the maintenance of scholarships in the said College to be called the "Burr Scholarships," the sum to be applied annually to each scholarship not to exceed two hundred dollars."

RULUFF STERLING CHOATE SCHOLARSHIP, with an income of three hundred dollars. Founded in 1884 by Joseph H. Choate, of New York, with a principal of six thousand dollars. The income is to be paid to "some meritorious student in the undergraduate department of the University who shall require the same."

SCHOLARSHIP OF THE CLASS OF 1802, with an income of three hundred dollars. The class fund of six thousand dollars was received by the College in 1870. The income of the fund is to be "applied to the aid of such needy descendants of the members of the said Class as may be students at said College, and of other needy and meritorious students."

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SCHOLARSHIP OF THE CLASS OF 1814, with an income of one hundred and twenty-five dollars. In 1853 this Class raised by subscription a fund of two thousand three hundred dollars, the income of which is to be paid to "some meritorious student who is an undergraduate of the College holding a respectable rank as a scholar, preference to be given to descendants of members of said Class."

SCHOLARSHIP OF THE CLASS OF 1817, with an income of one hundred and fifty dollars. Founded from gifts amounting to two thousand and sixty-five dollars, received from the Class of 1817, between 1852 and 1866. The income is to be awarded to some meritorious undergraduate of respectable standing as a scholar, but without special reference to academic rank; and descendants of members of the Class are to have the preference as applicants.

SCHOLARSHIP OF THE CLASS OF 1828, with an income of one hundred and fifty dollars. The Class fund of twelve hundred and ninety-four dollars was received by the College in 1882, and eleven hundred and ninety dollars and forty-three cents additional in 1889. The income of the fund is to be expended in aid of one or more poor and honest hard-working students connected with the College in any way, but under its guidance, though they may not be of the finest talent or highest college rank; preference to be given to descendants of members of the Class who meet all the above-stated conditions.

SCHOLARSHIP OF THE CLASS OF 1835, with an income of one hundred and fifty dollars. Founded by the Class of 1835 from gifts amounting to one thousand eight hundred and fifteen dollars, received between 1853 and 1892, for the benefit of meritorious young men, whether descendants of members of the Class or otherwise.

SCHOLARSHIP OF THE CLASS OF 1841, with an income of two hundred dollars. The Class fund of two thousand dollars was received in 1871. One thousand dollars were added to the fund in 1876 by Francis E. Parker, and two hundred dollars were added thereto from the estate of Seth Edward Sprague in 1884, through Francis Minot, Secretary of the Class. The income is to be paid to some one deserving undergraduate; descendants of members of the Class to have the preference as candidates.

SCHOLARSHIPS OF THE CLASS OF 1856. Two, with an income of three hundred dollars each. In 1885 David Pulsifer Kimball, of the Class of 1856, gave railroad bonds to the amount of ten thousand dollars for the establishment of two or more scholarships to be known as Scholarships of the Class of 1856, the income to be used "in the discretion of the Faculty to aid two or more undergraduates needing pecuniary assistance in obtaining an education at Harvard College."

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SCHOLARSHIP OF THE CLASS OF 1867, with an income of one hundred and fifty dollars. In 1886 Samuel Hoar gave two thousand dollars to found this Scholarship. The sum of five hundred and fifteen dollars and eighty-six cents, received from members of the Class of 1867 through the Class Secretary, has been added to the fund. "The net income shall be annually paid at or near the beginning of the second half of each College year to some member of the Freshman Class, in the Academic Department of Harvard College, who shall seem to the said President and Fellows meritorious and in need of assistance." "Children or grand-children of members of the Class of 1867 of Harvard College who are deemed worthy shall be preferred."

CROWNINSHIELD SCHOLARSHIPS. Two, with an income of two hundred dollars each. Founded from a bequest of five thousand dollars made by Francis B. Crowninshield, which was received in 1877. These scholarships, when vacant, are to be assigned by the Corporation, after public notice, to Freshmen, who shall hold them during their whole undergraduate course, subject to removal by the Corporation at any time.

WARREN H. CUDWORTH SCHOLARSHIPS. Mrs. C. M. Barnard offers to provide annually at present for two scholarships of three hundred dollars each in memory of the late Rev. Warren H. Cudworth, "for poor and meritorious students in Harvard College, whether candidates for a degree or not," students from Lowell and from East Boston to be preferred.

DANA SCHOLARSHIP OF THE CLASS OF 1852, with an income of two hundred dollars. Founded in 1876 from a bequest of nineteen hundred and seventy-four dollars and twenty-eight cents made by Mrs. Ann F. Schaeffer, in memory of her son, Charles F. Dana. The income is to be paid to "such students as shall deserve and need it, without any special reference to the College rank."

GEORGE AND MARTHA DERBY SCHOLARSHIP (reserved for members of the Graduate School), with an income of two hundred and fifty dollars. Founded in 1881 from a bequest of five thousand dollars made by Miss Martha C. Derby.

JULIUS DEXTER SCHOLARSHIP, founded in 1892 by an anonymous friend, with a principal of two thousand dollars. The income is to be "devoted to aiding worthy and needy undergraduates in the academical department of Harvard University — those from Cincinnati in particular and from Ohio in general to be preferred over others." This fund is to accumulate for the present.

ORLANDO W. DOE SCHOLARSHIP, with an income of one hundred dollars. Founded in 1893 from a bequest of five thousand dollars made by

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Orlando W. Doe, "the interest of one half to be given as a scholarship annually to a deserving student in the academical department."

WILLIAM SAMUEL ELIOT SCHOLARSHIP, with an income of two hundred and fifty dollars. Founded in 1875 by Samuel Eliot, of Boston, in memory of his son. The income of his gift of five thousand dollars is payable "to a student taking a Greek elective, or in case no such student needs pecuniary assistance, to any student or students at the discretion of the Dean of Harvard College."

FALL RIVER SCHOLARSHIP, with an income of forty-five dollars. Founded in 1893 by Milton Reed, of Fall River. The annual income of his gift of one thousand dollars is to be given "to some meritorious needy undergraduate student at the College proper, the preference to be given to some such student from the City of Fall River, Massachusetts."

FARRAR SCHOLARSHIP, with an income of two hundred and fifty dollars. Founded by Mrs. Eliza Farrar, of Springfield, in memory of her husband, Professor John Farrar. The income of her bequest of five thousand dollars, received in 1873, is to be applied "towards the maintenance and support of one meritorious student then being an undergraduate in said College."

RICHARD AUGUSTINE GAMBRILL SCHOLARSHIP, with an income of four hundred dollars. Founded in 1890, with a principal of ten thousand dollars, by Mrs. Anna Van Nest Gambrill, of New York, in memory of her husband, Richard Augustine Gambrill, a graduate of the College of the Class of 1872, and of the Law School. The beneficiary must be an undergraduate of the College who will be benefited by such assistance, but he need not be absolutely dependent upon it for his ability to remain in College.

CHARLES HAVEN GOODWIN SCHOLARSHIP (reserved for members of the Graduate School), with an income of three hundred dollars. Founded in 1889, with a principal of six thousand dollars, by Professor William W. Goodwin in memory of his son, a graduate of the Class of 1888. "The scholarship shall be assigned by the Corporation at or near the beginning of each academic year, to some deserving student who will be benefited by such assistance, but not necessarily to one who is absolutely dependent upon outside aid for the ability to remain at the University. The beneficiary must be approved by the senior professor of Greek and the senior professor of Latin in the University; and he must be either a student in the highest class in Harvard College who is distinguished for his scholarship in Greek and Latin, or a graduate of Harvard College who has distinguished himself there in classical scholarship and is a student of classical philology in the Graduate Department of the University."

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BENJAMIN D. GREENE SCHOLARSHIP, with an income of one hundred and fifty dollars. Founded in 1863, from a bequest of one thousand dollars made by Benjamin D. Greene, of Boston, "to establish a scholarship for a poor scholar, the appointment thereto to be vested in the President for the time being."

PRICE GREENLEAF SCHOLARSHIPS. Ten, with an income of three hundred dollars each, established in 1887 under the will of E. Price Greenleaf of Quincy. The will provides that "a sum equal to, but not exceeding, three thousand dollars a year, shall be divided into shares of three hundred dollars each, and each of said shares shall be paid in each year to an undergraduate, who, by reason of insufficient means, shall be unable to pay the expenses necessarily incurred in pursuing his studies as a member of the Academic Department of the College. In the selection of ten students, to each of whom one of said shares of three hundred dollars is to be paid, preference is to be given to those who by industry, good conduct, and zealous effort shall be deemed by the President and Dean of the College to be meritorious students, and entitled to encouragement and support; it being, however, my wish that said money should not be awarded to any student solely by reference to his rank or standing as a scholar, but that regard should also be had to earnest and honest endeavor to attain excellence."

EBENEZER ROCKWOOD HOAR SCHOLARSHIP, with an income of four hundred dollars. Established in 1895 from a bequest of ten thousand dollars made by Ebenezer Rockwood Hoar, "the income to be applied to the education of meritorious undergraduates of said College from the town of Concord, either immediately after entering or later. If such fail to apply, then to accumulate until the principal shall reach the sum of twelve thousand dollars, which shall constitute two scholarships, and whenever no Concord boy shall apply for either the income for the year may be given by the Corporation to another undergraduate."

LEVINA HOAR SCHOLARSHIP, with an income of two hundred and fifty dollars. Founded in 1876, from the residuary bequest of four thousand four hundred and seventy-five dollars and fifty-one cents, made by Miss Levina Hoar, of Lincoln, "the income of which shall be applied to assist in the support of meritorious students at said College who may be in need of assistance, giving a preference always to students from the town of Lincoln, in Massachusetts."

HODGES SCHOLARSHIP, with an income of two hundred dollars. Founded by Richard Manning Hodges, in 1878, with a principal of five thousand dollars. The income is to be given "to a meritorious student, without

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pecuniary means, of the Senior Class, — his merit depending, without reference to scholarship, upon diligence and good character, though scholarship is to be no bar to the benificence to be bestowed."

HOLLIS SCHOLARSHIP, with an income of two hundred dollars. Founded by Thomas Hollis, of London, in 1722, and his brother, Nathaniel Hollis, in 1732, for the benefit of pious young students designed for the ministry, and who may be needy and deserving.

HENRY B. HUMPHREY SCHOLARSHIP, with an income of four hundred and fifty dollars. Established in 1890 from a bequest of ten thousand dollars made by Mrs. Pastora E. Humphrey, "to found a scholarship for the benefit — first, of any pupil or pupils applying for entry in said College from Thomaston, in Knox County, in the State of Maine; next, of any pupil or pupils from said Knox County; next, of any pupil or pupils from said State of Maine; next, of any pupils said College may deem proper."

KIRKLAND SCHOLARSHIP, with an income at present of two hundred dollars. Founded in 1852 with a principal of two thousand three hundred and three dollars and forty-six cents by the Class of 1815, in memory of President Kirkland. The income of the fund is to be applied at the discretion of the Corporation; descendants of members of said Class to have the preference as beneficiaries.

GEORGE EMERSON LOWELL SCHOLARSHIPS. Two, with an income at present of two hundred dollars each. Founded in 1886 by Judge Lowell, the income to be awarded to students in the academic department "at the discretion of the President and Fellows (excepting that excellence in the Classics or in Athletics is recommended as a desirable qualification)."

MATTHEWS SCHOLARSHIPS. Fifteen, with an income of three hundred dollars each. Founded by Nathan Matthews, of Boston, in 1870 from one half the net income from Matthews Hall. The income of the fund is for the aid of needy and deserving scholars; those intending to study for the ministry of the Protestant Episcopal Church, and sons of clergymen of the Protestant Episcopal Church, to be preferred. A portion of the Matthews Scholarships may be assigned in advance to students admitted to the Senior class who intend to study for the ministry of the Protestant Episcopal Church, provided they present satisfactory evidence of high scholarship.

WILLIAM MERRICK SCHOLARSHIP, with an income at present of two hundred dollars. Founded in 1888 from a bequest of five thousand dollars made by William Merrick, the income to be paid "to some meritorious undergraduate, descendants of members of the Class of 1870 to have the preference."

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MOREY FOUNDATION. One scholarship, with an income of three hundred dollars. Founded in 1866 from a bequest of seven thousand one hundred and fifty dollars made by George Morey, of Boston, the income of which is to be awarded to one or two undergraduates; the person receiving the benefit of the fund to be "a meritorious young man, whose scholarship and conduct shall have been satisfactory to the Government of the College"; the descendants of Rev. George Morey, of the Class of 1776, to have the preference.

LADY MOWLSON SCHOLARSHIP, with an income of two hundred dollars. In 1643 Lady Ann Mowlson, of London, founded the first scholarship in Harvard College by a gift of one hundred pounds "current English money," the income to be paid to some poor scholar until he shall attain the degree of Master of Arts, any kinsman of Lady Mowlson having preference over other scholars. This gift was at first held by the Colony of the Massachusetts Bay, and in 1713 was paid over to the College, with accrued interest from 1685, by the Province Treasurer. In the early part of the last century this fund was probably mixed with other college funds and formed part of the Stock Account. In 1893 the scholarship was re-established with a principal of five thousand dollars taken from the Stock Account.

PALFREY EXHIBITION, with an income of eighty dollars. In 1821 a fund of twelve hundred dollars was given by John Gorham Palfrey, the income of which should be granted annually "to the most distinguished scholar among the indigent members of the Senior Class."

PENNOYER SCHOLARSHIPS. Four: two with an income of seventy-five dollars, and two with an income of sixty dollars each. In 1670 William Pennoyer, of England, gave an annuity from his estate in Norfolk for the benefit of two fellows and two scholars; one of the latter, as often as occasion shall present, to be of the posterity of Robert Pennoyer, and the other from New Haven Colony, if conveniently may be.

REBECCA A. PERKINS SCHOLARSHIP, with an income of one hundred and fifty dollars. The sum of nine hundred and forty dollars was received in 1869 from a bequest made by Rebecca A. Perkins, of Fitchburg, the income thereof to be given "to some worthy and meritorious but indigent undergraduate of said Harvard College, to assist him in paying his College expenses," who must apply in writing to the President of the College "setting forth his pecuniary need and also the inability of Parents to defray his College expenses," and must send a certificate of a municipal officer of the city or town, where the applicant resides, that the facts are as stated in the application.

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WENDELL PHILLIPS MEMORIAL SCHOLARSHIP, with an income of forty dollars. The Wendell Phillips Memorial Association gave the sum of one thousand and sixty dollars in 1895 to found this Scholarship upon the following conditions: — "It is always to be awarded to one about to become a Junior, who has completed his Freshman and Sophomore years in this College. The beneficiary must be one who has special oratorical powers, and so gives promise of becoming a real force as a public speaker; and he is to have the benefit of the scholarship for one or both of the last two years of his College course, as his attainments and character shall warrant. If for any reason this Scholarship should become vacant during the period for which it is awarded, we would prefer that it should go to some other person in the same class."

RODGER SCHOLARSHIP. Founded by Rev. James G. Rodger in 1883; not yet available.

HENRY BROMFIELD ROGERS SCHOLARSHIP, with an income of one hundred and fifty dollars. In accordance with the terms of the original gift, this scholarship has been created from the appraised value (three thousand one hundred and eighty dollars and fifty cents) of the Gymnasium given to the College by Henry Bromfield Rogers in 1859, and converted to other uses in 1883. The income is to be used for "the maintenance and education of deserving and talented undergraduates in indigent circumstances."

EDWARD RUSSELL SCHOLARSHIP (reserved for members of the Graduate School), with an income of two hundred dollars. Founded by Edward Russell from yearly gifts made during the years from 1877 to 1895, which, with accumulated interest, amounted on July 31, 1895, to five thousand two hundred and eighty-three dollars and nine cents, "as a memorial to my grandfather of that name, who was graduated at the College in class of 1759; and to my father of same name who was graduated at the College in class of 1803; the income of the same to be given for the assistance of meritorious students of limited pecuniary resources, whether of the undergraduate or graduate department."

SALES SCHOLARSHIPS. Two, with an income of one hundred dollars each. Founded in 1893 with a principal of four thousand nine hundred and sixteen dollars and sixty-seven cents, which is one half of the residuary bequest by Francis Sales to the College.

SALTONSTALL SCHOLARSHIP, with an income of one hundred and fifty dollars. Founded from a bequest of three hundred pounds made by Mrs. Dorothy Saltonstall, of Boston, in 1733 and received in 1739. In 8193 Henry Saltonstall, of Boston, added three thousand dollars to this fund. The income is to be used for the benefit of poor scholars.

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LEVERETT SALTONSTALL SCHOLARSHIP (reserved for members of the Graduate School), with an income of two hundred dollars. Established in 1895 from a bequest of five thousand dollars made by Leverett Saltonstall. The income is to be paid annually "to one or more meritorious students, graduate or undergraduate, of the University who may require such assistance, and who may give decided promise of future usefulness; my descendants and those related to me by consanguinity, when they may be candidates, to be preferred. And I desire that if in the opinion of the President and Fellows it should be desirable to aid a graduate student by an extended course of study at any foreign university, they may pay the income of this fund to such student for the term of one year. In memory of my late honored father and of his devoted attachment to the University, I desire this to be named the 'Leverett Saltonstall Scholarship.'"

MARY SALTONSTALL SCHOLARSHIPS. Two, with an income of one hundred and fifty dollars each, in the gift of the board of Overseers. In 1730 Madam Mary Saltonstall, widow of Gov. Gurdon Saltonstall of Connecticut, bequeathed to the College one thousand pounds, the income of which is to be given to two persons without means, of bright parts and good diligence (always dissenters), to fit them for the service of the Church of Christ; those related to the giver by consanguinity to be preferred. In 1845 Leverett Saltonstall of Salem added to this fund a bequest of five hundred dollars.

JAMES SAVAGE SCHOLARSHIP (reserved for members of the Graduate School), with an income of three hundred dollars. Founded in 1873 from part of the bequest of forty thousand dollars made by James Savage of Boston.

SEVER SCHOLARSHIP, with an income of one hundred and fifty dollars. Founded from gifts, amounting to two thousand three hundred and ninety dollars, received from Colonel James Warren Sever, of Boston, in 1868, 1869, and 1870. The income from this fund is to be awarded to some meritorious undergraduate without exclusive reference to academic rank; applicants from Kingston and Plymouth are to have the preference.

SEWALL SCHOLARSHIPS. Two, with an income of two hundred dollars each. In 1696 Judge Samuel Sewall, of Boston, and his wife Hannah conveyed to the College a farm of five hundred acres at Petaquamscot in the Narragansett country, otherwise called King's Province; the income therefrom to be appropriated "for and towards the support and education at the said College of such youths whose parents may not be of sufficient ability to maintain them there, especially such as shall be sent from Petaquamscot aforesaid, English or Indians, if any such there be."

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SHATTUCK SCHOLARSHIPS (reserved for members of the Graduate School). Seven with an income of three hundred dollars each. Founded in 1854 from a bequest of ten thousand dollars, by Dr. George Cheyne Shattuck, of Boston, "for the benefit of such persons of superior merit pursuing their studies at said College (graduates or undergraduates) as in their opinion may require and deserve assistance in the study of mathematics or any of its branches, or in the study of the languages, any or either of them."

SLADE SCHOLARSHIP, with an income of two hundred and fifty dollars. Founded in 1877 by Dr. Daniel Denison Slade, of Chestnut Hill, who gave for the purpose five thousand dollars, the income of which is "to be used from year to year for the benefit of young men who have proved themselves worthy of aid by diligence and meritorious conduct during at least one year's residence in Harvard College," the benefactor's sons, if at any time candidates, to have the preference.

STORY SCHOLARSHIP, with an income of one hundred and fifty dollars. A gift of two thousand dollars was received in 1864 from Augustus Story, of Salem, who directed that the income should be awarded by the President, without special reference to class rank, to such deserving applicant as might by his mental power, general character, and physical health, give the largest promise of usefulness.

STOUGHTON SCHOLARSHIP. In 1701 Gov. William Stoughton bequeathed to the College twenty-three acres of pasture and a parcel of salt meadow in Dorchester, with the provision that the clear rent and income thereof should be given "in the first place to a scholar of the town of Dorchester, and if there be none such, to one of the town of Milton, and in want of such, then to any other well deserving that shall be most needy." This fund was created from rents for the pasture and receipts from the sale of the salt marsh, and is to accumulate for the present.

THAYER SCHOLARSHIPS (reserved for members of the Graduate School). Ten, with an income of three hundred dollars each. In 1857 John Eliot Thayer, of Boston, bequeathed to several persons named by him, in trust, the sum of fifty thousand dollars, to pay the income thereof to the ten most meritorious scholars in Harvard University who may actually need the same.

GORHAM THOMAS SCHOLARSHIP (reserved for members of the Graduate School), with an income of two hundred dollars. In 1865 Dr. Alexander Thomas, of Dorchester, gave three thousand dollars, to found a scholarship in memory of his son, a graduate of the College.

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TOPPAN SCHOLARSHIP (reserved for members of the Graduate School), with an income of three hundred dollars. The sum of four thousand seven hundred dollars was received in 1868 from a bequest made by Mrs. Ann Toppan, of Portsmouth, N. H., to found a scholarship in memory of her husband, Christopher S. Toppan, "for the assistance of deserving young men during their College course."

TOWNSEND SCHOLARSHIPS (reserved for members of the Graduate School). Four, with an income of two hundred and fifty dollars each, and one, with an income of two hundred dollars. Founded in 1861 by Miss Mary P. Townsend, of Boston, from a bequest to the College of twenty thousand dollars, the income of which is to be used for the benefit of indigent scholars.

WALCOTT SCHOLARSHIPS. Two, with an income of one hundred dollars. Founded by Samuel Baker Walcott in 1855, with a principal of two thousand dollars. The income of the fund, when not less than two hundred dollars, is to be divided equally between two needy and meritorious undergraduates, who are to be nominated by the Faculty and appointed by the President and Fellows.

WILLIAM WHITING SCHOLARSHIPS. Two, with an income of two hundred dollars each, founded in 1874 by William Whiting, of Boston, with a principal of five thousand dollars. For the benefit of deserving undergraduates of the College who need aid to defray their college expenses; preference being given to any of the descendants of the founder or of the Rev. Samuel Whiting, his first ancestor in America, who shall apply for, and shall be otherwise in the opinion of the Corporation proper persons to receive such assistance.

## PRICE GREENLEAF AID.

The President and Fellows of Harvard College have been enabled by the recent bequest of EZEKIEL PRICE GREENLEAF to appropriate annually from $14,000 to $16,000 "to reduce the general expenses necessarily incurred by undergraduates of the College in pursuing the studies required to obtain the degree of Bachelor of Arts, who are not of themselves, or with the aid of their parents, of sufficient pecuniary ability to pay for the same."

The income of the Price Greenleaf Fund is distributed, in sums of from $100 to $250 a year: *first*, to undergraduates in the first year of their residence (whether Freshmen or students admitted to advanced standing, with or without examination); *secondly*, to deserving students who have not succeeded in the competition for scholarships, and who have applied for Price Greenleaf Aid on or before the last Wednesday in May.

The regular assignment to first-year students is made before or at the

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time of their entrance. To secure such an assignment the applicant must be strongly recommended by the college, academy, or school with which he has been connected; and must see that his application is in the hands of the Secretary by the first day of May. A subsequent assignment is made in January to some other first-year students of high standing: applications must be in the hands of the Secretary by the fifteenth day of December.

In every case the amount assigned is payable (but only to persons who may be undergraduates at the time of payment) in three instalments, one at the time of presentation of each of the three term bills of the year.

The recipients of Price Greenleaf Aid may be called upon for service as monitors or assistants to an amount not exceeding four hours a week.

For blank forms of application, and information about necessary expenses, address the *Secretary of Harvard University*, Cambridge, Mass.

## BENEFICIARY FUNDS.

Various other bequests and donations to the College have from time to time been made, the income of which is appropriated for the aid of deserving students in narrow circumstances. The annual amount thus appropriated is about eighteen hundred dollars, which is usually distributed in gratuities of not more than fifty dollars each. Among these bequests is "The Munroe Fund" of fifteen thousand dollars, of which ten thousand one hundred and forty dollars have now been received by the College; in the bestowment of the income of this fund preference is to be given to natives, or children of citizens, of Concord, Mass.

Applications for aid from the Beneficiary Funds should be addressed to the Dean, by the student's parent or guardian, or by the student himself, if of age. The application should state particularly the circumstances of the case, with the reasons for asking aid.

## LOAN FUND.

In addition to the Beneficiary Funds above mentioned, there is a Loan Fund, the interest of which, amounting annually to about three thousand dollars, is lent to meritorious students in the Sophomore, Junior, and Senior classes, in sums ranging from forty to one hundred dollars. This fund is under the control of a Board of Trustees, in Boston.

The applications for the Loan Fund should be left with the Dean of the College as early as *the first day of December*.

The Trustees of the Fund request applicants for loans to observe the following rules: —

"1. To address their applications to the Treasurer of the Loan Fund,

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George Wigglesworth, Esq., Boston, and give them to the Dean of the College.

"2. To state the amount they wish to borrow.

"3. To set forth their circumstances fully, as they would do on making application to an individual for like aid.

"4. To state what aid they have received, or expect to receive, from the College.

"5. If an applicant is under twenty-one years of age, his application must be accompanied by the written approval of his parent or guardian."

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# EXPENSES.

The following table exhibits four scales of annual expenditure, — clothing, washing, and the expenses of the long vacation not being included: —

| | Low. | Moderate. | Liberal. | Very liberal. |
|---|---|---|---|---|
| Tuition | $150 | $150 | $150 | $150 |
| Books and Stationery | 25 | 35 | 45 | 61 |
| Room | 22 | 50 | 100 | 175 |
| Furniture (annual average) | 10 | 15 | 25 | 50 |
| Board | 114 | 152 | 152 | 304 |
| Fuel and light | 11 | 15 | 30 | 45 |
| Societies and subscription to sports (annual average) | | | 35 | 50 |
| Servant | | | | 25 |
| Sundries | 40 | 55 | 85 | 150 |
| Total | $372 | $472 | $622 | $1010 |

For certain laboratory courses additional fees are required for materials, reagents, and the use and breakage of apparatus.

Members of any department of the University can board at cost by joining the Association which uses the great dining-room of Memorial Hall, but the total membership is necessarily limited to about 1100. The cost of board to the members of this association is expected not to exceed $4.10 a week. Applications for seats should be made before September 15, 1896, to the Auditor of the Dining Association, Memorial Hall. The Hall opens on the last Wednesday in September.

Upwards of three hundred members of the various departments of the University are admitted annually to the Foxcroft Club, a coöperative organization having quarters adjoining the College yard. Simple articles of food are furnished to order at cost, making it possible to board at the Club for from $2.50 to $3.00 a week. The annual fees of the Club are low. Applications should be made early to the Secretary of the Foxcroft Club.

The required security (see p. 250 "Bonds") must be on file at the Bursar's office before any application for board can be accepted.

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## TUITION-FEES OF SPECIAL STUDENTS.

The tuition-fees of special students are: —

For any laboratory course, alone or with other courses, $150 a year.

For certain laboratory courses additional fees are required for materials, reagents, use and breakage of apparatus.

For any elective full course, $45; for a half-course, $25 — a year.

In all other cases the fees will be computed at the rate of $15 for an hour a week of instruction during the academic year up to $150. But in no case shall the tuition-fee be less than $30 or more than $150 a year.

Any student who attends a course of instruction for only a part of the year must pay the full year's fee for that course; except that a student who is liable for the fee of $150 a year is entitled to the same remissions as undergraduates.

## BONDS.

Every *Undergraduate* must file a bond with the Bursar in the sum of $400, signed by two bondsmen, one of whom must be a citizen of the United States, as security for the payment of College bills; or he may deposit with the Bursar $400 in money, or in United States bonds, for the same purpose; or he may deposit $50 as security and pay his tuition-fees in advance as follows: — one third on or before October 1, one third on or before January 1, and one third on or before April 1. Any student who takes advantage of the last rule must pay in advance the full year's rent of any College room which may be assigned to him, and if he boards at Memorial Hall or at the Foxcroft Club, must make a deposit at the rate of $5 a week in advance.

The above rules apply also to *Special Students*, except that $200 is the amount of bond or deposit required of a special student who neither occupies a College room, nor boards at Memorial Hall, nor at the Foxcroft Club.

No officer or student of the University will be accepted as a bondsman.

## COLLEGE BILLS.

The term-bills are issued December 22, March 22, and one week before Commencement, and are to be paid respectively on or before January 12, April 12, and October 10; but the third bills of candidates for degrees must be paid at least one day before Commencement. When a student severs his connection with the College his whole bill becomes payable at once.

The fee for instruction is $150 a year, from which deductions will be made as follows: for absence of three consecutive months, $30; for absence during the whole year, not including the mid-year and final exami-

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nations, or either of them, $100. A student who claims a deduction must present at the Bursar's office a certificate from the Recorder as to the fact and duration of his absence. In order to obtain such a certificate he must have given prompt notice of his intended absence in accordance with the regulations of the Faculty.

A student who joins the College after the beginning of the academic year will be charged for instruction from the beginning of the third in which he joins. One who leaves during the year will be charged for instruction only to the end of the third in which he leaves, if before that time he gives written notice of his withdrawal to the Recorder; otherwise he will be charged to the end of the third in which such written notice is given. The first third begins at the beginning of the academic year and ends December 31. The second third begins January 1 and ends March 31. The last third begins April 1 and ends at Commencement.

Additional fees are charged to those who take laboratory courses for materials, reagents, apparatus, etc.

A fee of $3 is charged for the second and each subsequent examination for removing a condition.

## ASSIGNMENT OF COLLEGE ROOMS FOR 1896–97.

Students living in College buildings, who intend to be students in any Cambridge department of the University during the academic year 1896–97, and wish to engage for that year the rooms which they now occupy, must sign new room-agreements and leave them at the Bursar's office between March 22 and March 31 inclusive.

A list of all the College rooms not engaged for 1896–97, except rooms in Wadsworth House, in Divinity Hall, and a few rooms in Holyoke House, with blank forms of application, will be ready for delivery at the Bursar's office April 4. Applications for these rooms may be made on or before May 1 by Undergraduates and Special Students in Harvard College, Students in the Lawrence Scientific School, Graduates of Harvard College who intend to be students in any Cambridge department of the University during 1896–97, and by those who intend to enter Harvard College as Undergraduates in the summer of 1896. But rooms in Holworthy Hall will be assigned only to applicants who are members of the classes of 1897, 1898, or 1899 in the College. Applications which are not made on the printed blanks, and applications from those who have already engaged College rooms for 1896–97, will not be considered. The assignment of rooms will be made by lot May 4, and the result of the allotment will be announced May 5.

Lists of the rooms to be let May 4, descriptive lists of rooms, blank applications and bonds will be sent after April 4 to those intending to enter

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the College in the summer of 1896 who send their names and addresses to the Bursar for that purpose. The application will contain a certificate to be signed by the instructor of the applicant stating that the applicant intends to enter the College as an Undergraduate in the summer of 1896, and specifying the examinations (June or September) at which he will apply for admission. The bond for $400 must be executed by two sufficient bondsmen and will hold them for the full year's rent of any one of the rooms applied for which may be assigned to the applicant between the date of the execution of the bond and the fifth day of October, 1896, unless the applicant is rejected at the June examinations without permission to take the examinations in September; and in that case the bondsmen will be held for one quarter of the full year's rent. But the bondsmen will not be held for any payment of rent if the Bursar lets the room to some other member of the University in accordance with the established rules.

In the assignment of a room with two bedrooms,* preference will be given to an application signed by two students who will occupy the room together. If two students, neither of whom has a room standing in his name for 1896–97, intend to occupy a room together and both sign one application, this application will be given two chances in the allotment and any room drawn will be assigned to the two applicants. But if in any case one of two applicants to whom a room has been assigned is not admitted to College at the examination specified by the instructor on the room-application, or if either of the applicants does not register and join his class before October 1, or does not occupy the room through the year, the Bursar may cancel the assignment and assign the room by lot to other applicants.

Every student to whom a room is assigned, except any applicant for admission who is rejected at the June examinations without permission to take the examinations in September, will be held responsible for the full year's rent thereof, and all charges for gas and damages, unless, before October 1, 1896, the room is let at his request to some other student in accordance with the established rules; or unless, being a member of the class of 1897, of 1898, or of 1899, in the College, he permanently severs his connection with the University, obtains a leave of absence for the whole year 1896–97, or is suspended for the whole of that year, and gives written notice to the Bursar before September 1, 1896, that he desires to cancel his room-agreement. When one of two room-mates cancels his room-agreement under the preceding provision, the other room-mate may, except as otherwise provided in the case of rooms assigned by preference to two applicants, secure the room by at once signing a new room-agreement and leaving it at the Bursar's office; but unless he does so, the Bursar will be at liberty to assign the room to other tenants.

* In Holyoke House, rooms 5, 16, 27, and 38 only, will be subject to this preference.

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Students who have no College rooms for 1896–97 and wish to obtain rooms which may be unengaged May 9, or which may become vacant at any time after that date, may after May 5 file applications at the Bursar's office, specifying the conditions as to buildings, floors, exposure, rent, &c. which they desire to have met and containing agreements to take any rooms which may be assigned to them which fulfil the specified conditions. These applications will remain in force until such dates as the applicants may specify therein, and rooms will be assigned upon them by lot. Notice of rooms to be assigned may be put upon the bulletin board if the Bursar considers it advisable.

The Bursar may cancel the assignment of a room to one whose connection with the University as a student is terminated; or to one intending to enter College as an undergraduate, who does not pass the admission examination or, having passed the examination, does not join his class before October 1, 1896; or to any other person who does not register as a student in some Cambridge department of the University before October 1, 1896.

The right to occupy a College room is given only to the student to whom the room is assigned and to his room-mate. Neither transfers nor exchanges of rooms are allowed. Not more than two students are allowed to occupy any College room; and not more than one to occupy any room in Divinity Hall except those having bedrooms, nor any room on the North side of Grays Hall, nor Nos. 18, 30, and 42 in Conant Hall. Only the constant use of a room by night as well as by day will be regarded as occupation thereof. All persons who occupy College rooms are subject to the regulations of the Parietal Committee. Persons not connected with the University are not allowed to occupy College rooms. Tenants who desire to employ any one to make fires, black boots, &c., must arrange therefor with the porters of the buildings in which they live.

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## PRICES OF COLLEGE ROOMS. — 1896–97.

In each case the price is for the whole room from the beginning of the Academic Year until the next Commencement, and includes the daily care of the room.

$25. College House, Nos. 13, 35.

$45. College House, Nos. 57 and 58.

$50. College House, Nos. 22, 44, 66.

$60. College House, Nos. 3, 4, 6, 7, 8, 9, 10, 15, 16, 18, 19, 20, 25, 26, 27, 28, 30, 31, 32, 37, 38, 39, 40, 41, 42, 46, 48, 50, 52, 54, 60, 62, 64, 70; Grays, Nos. 33, 35.

$70. Hollis and Stoughton, Nos. 1, 2, 3, 4, 18, 19, 20; Stoughton, No. 17; College House, Nos. 11, 12, 33, 34, 47, 49, 51, 53, 59, 61, 63, 67, 68, 69.

$75. College House, Nos. 1, 2, 21, 23, 24, 43, 45, 55, 65; Grays, Nos. 3, 13, 15, 17, 19, 34, 37, 49, 51; Weld, Nos. 25, 26, 52, 53.

$90. Hollis and Stoughton, Nos. 5, 6, 8, 9, 10, 12, 13, 14, 16, 22, 23, 24, 26, 27, 28.

$100. Hollis and Stoughton Nos. 29, 32; Hollis, No. 17; Grays, Nos. 1, 7, 11, 14, 18, 21, 23, 25, 27, 29, 31, 36, 39, 41, 45; Weld, Nos. 24, 27, 51, 54; Matthews, Nos. 27, 28, 57, 58; Wadsworth House, Nos. 9 and 10, 11 and 12; College House, No. 29; Holyoke, Nos. 39, 45; Foxcroft House, No. 6; Walter Hastings, No. 61.

$125. Hollis and Stoughton, Nos. 11, 15, 25, 30, 31; Hollis, No. 21; Grays, Nos. 2, 9, 16, 22, 26, 30, 40, 47, 50, 52; Matthews, Nos. 25, 26, 29, 30, 55, 56, 59, 60; Holyoke, No. 28; Thayer, Nos. 17, 18, 19, 20, 23, 24, 41, 42, 47, 48, 65, 66; Walter Hastings, Nos. 13, 22, 23, 32, 46, 59; Foxcroft House, Nos. 1, 2, 5; Perkins, Nos. 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 19, 20, 21, 22; Conant, Nos. 18, 30, 42.

$150. Grays, Nos. 4, 6, 8, 10, 12, 20, 28, 32, 38, 42, 44, 46, 48; Holyoke, Nos. 2, 3, 6, 11, 17, 40, 44, 46; Matthews, No. 6; Thayer, Nos. 1, 2, 3, 4, 13, 14, 15, 16, 25, 26, 30, 35, 36, 43, 44, 45, 46, 49, 50, 53, 59, 60, 63, 64, 67, 68; Foxcroft House, Nos. 3, 7, 8; Walter Hastings, Nos. 45, 60; Perkins, Nos. 1, 2, 25, 26, 28 to 44, 47 to 66, and 69 to 88 inclusive.

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$175. Thayer, Nos. 5, 6, 8, 9, 10, 11, 12, 21, 22, 31, 32, 37, 38, 39, 40, 51, 52, 55, 56, 57, 58, 61, 62; Weld, Nos. 3, 5, 8, 13, 14, 19, 20, 30, 32, 34, 35, 40, 41, 46, 47; Holyoke, Nos. 12, 29, 34; Perkins, Nos. 23, 24, 45, 46, 67, 68; Foxcroft House, No. 4.

$200. Thayer, Nos. 27, 28, 33, 34; Matthews, Nos. 3, 4, 10, 16, 22, 33, 34, 46, 52; Holyoke, Nos. 18, 22, 23, 37, 41, 42, 43, 47, 48; Wadsworth House, No. 13; Weld, No. 1; Conant, Nos. 3, 4, 5, 7, 8, 9, 10, 11, 12.

$225. Weld, Nos. 4, 6, 9, 12, 15, 18, 21, 22, 23, 31, 33, 39, 42, 45, 48, 49, 50; Matthews, Nos. 5, 9, 15, 19, 20, 21, 39, 45, 49, 50, 51; Holyoke, Nos. 1, 26, 30, 31, 32, 35, 36, 50; Wadsworth House, Nos. 5 and 6; Walter Hastings, Nos. 20, 30, 42; Conant, Nos. 1, 2, 15, 16, 19, 20, 21, 22, 23, 24, 27, 28, 29, 31, 32, 33, 34, 35, 36, 39, 40, 41, 43, 44, 45, 46, 47, 48.

$250. Holworthy, Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24; Weld, Nos. 2, 10, 11, 16, 17, 28, 29, 37, 38, 43, 44; Matthews, Nos. 1, 2, 8, 13, 14, 23, 24, 31, 32, 35, 36, 37, 38, 43, 44; Holyoke, Nos. 4, 9, 10, 13, 14, 15, 20, 21, 24, 25, 38, 49; Wadsworth House, Nos. 3 and 4, 7 and 8; Walter Hastings, Nos. 14, 16, 18, 24, 26, 28, 33, 36, 39, 47, 50, 53, 56; Conant, Nos. 13, 14, 25, 26, 37, 38.

$275. Matthews, Nos. 53, 54; Holyoke, Nos. 8, 19.

$300. Matthews, Nos. 11, 12, 17, 18, 41, 42, 47, 48; Holyoke, Nos. 5, 16, 27; Walter Hastings, Nos. 12, 21, 35, 38, 41, 44.

$325. Walter Hastings, Nos. 3, 6, 9, 11, 15, 17, 19, 25, 27, 29, 31, 34, 37, 40, 43, 57, 58.

$350. Walter Hastings, Nos. 1, 2, 4, 5, 7, 8, 10, 48, 49, 51, 54, 55.

### Divinity Hall and House.

Divinity Hall, the dormitory of the Divinity School, has been rearranged and improved, and contains 42 rooms, ranging in price from $40 to $80. Divinity House, in the rear of Divinity Hall, contains 5 rooms.

All these rooms are primarily reserved for students of the Divinity School, and will not be assigned to other students until the Thursday on which the academic year begins. On that day a list of the rooms not previously engaged will be posted at the Bursar's office and applications may be made to him. The Dean of the Divinity School, however, reserves the right of discriminating between applications as the interests of the school may in his judgment dictate.

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# THE LAWRENCE SCIENTIFIC SCHOOL.

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## STUDENTS.

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| Adams, Alton Dermont, | 3 | Gen. Sci. | *Boston.* |
| Adams, Henry Saxton, | *S.* | Arch. | *Dorchester.* |
| Allen, Henry Van Dyke, A.B. 1895, | 4 | Elec. Engin. | *Cambridge.* |
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| Berry, Burton Judson, | 2 | Gen. Sci. | *Warwick, N. Y.* |
| Blaikie, Cameron, | *S.* | Gen. Sci. | *Englewood, N. J.* |
| Blake, George Baty, A.B. 1893, | *S.* | Arch. | *Boston.* |
| Blake, Robert Fulton, | *S.* | Mech. Engin. | *Boston.* |

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| Coleman, Lockett Gwin, | 1 | Mech. Engin. | *Rich Hill, Mo.* |
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| Conklin, Mark MacDougall, | *S.* | Arch. | *Auburn, N. Y.* |
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| Derby, Ira Harris, | *S.* | Sci. T. | *Lyme, N. H.* |
| Diaz, Manuel Dionisyus, A.B. (*Univ. of Havana*) 1890, | 1 | Civ. Engin. | *Matanzas, Cuba.* |
| Dickson, Fred Charles, | *S.* | B. & Z. | *Indianapolis, Ind.* |
| Dinsmoor, William Parry Jones, | 1 | Mech. Engin. | *Keene, N. H.* |
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| Faber, Henry Burnell, | 2 | Chem. | *Brooklyn, N. Y.* |
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| Fuller, Robert Warren, | 4 | Chem. | *Boston.* |
| Gade, John Allyne, | 4 | Arch. | *Christiania, Nor.* |
| Gibbs, David, | 2 | Sci. T. | *Raven Rock, N. J.* |
| Gibbs, Lucian Everett, | 3 | Gen. Sci. | *Cambridge.* |
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| Hurley, Edward Martin, | 2 | Gen. Sci. | *Lynn.* |
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| Hutchinson, John William, | *S.* | Arch. | *Chicago, Ill.* |

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| Jutten, Benjamin Chauncey, A.B. 1894, A.M. 1895, | 4 | Elec. Engin. | *Fall River.* |
| Kellogg, Spencer, Jr. | 1 | Chem. | *Buffalo, N. Y.* |
| Kelsey, William Hargrave, | 3 | Elec. Engin. | *Cambridge.* |
| Kendall, Hugh Fessenden, | 2 | Geol. | *Cambridge.* |
| Kline, Linus Ward, L.I. (*Peabody Normal Coll., Nashville, Tenn.*) 1889, | 4 | B. & Z. | *Calverton, Va.* |
| Knapp, Allen Howe, M.E. (*State Normal School, Mansfield, Pa.*) 1888, | 2 | Sci. T. | *Cambridge.* |
| Lamprey, Hobart Uri, | 1 | Gen. Sci. | *Boston.* |
| Leckie, William Murray, | 2 | Elec. Engin. | *Joplin, Mo.* |
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| Leonard, Merton Channing, | 2 | Sci. T. | *Bridgewater.* |
| Lewis, Fred Charles, | 2 | Elec. Engin. | *W. Superior, Wis.* |
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| Libbey, Joseph Harold, | 2 | Mech. Engin. | *W. Newton.* |
| Lowell, William Holbrook. | *S.* | Hyg. | *Newton.* |
| Lyman, Charles Frederic, | 4 | Civ. Engin. | *Boston.* |
| Lyman, Herbert, | *S.* | Hyg. | *Helena, Mont.* |
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| McCarthy, Edward Eugene, | 3 | Min. Engin. | *Cambridge.* |
| McCauley, Arthur Valerius Augustus Bernard, | 2 | Elec. Engin. | *Reading, Pa.* |
| McChesney, George Hultum, Jr. | *S.* | Civ. Engin. | *Syracuse, N. Y.* |
| McClare, Charles Herbert, | *S.* | Arch. | *Arlington.* |
| McClintock, John Tilton, | 2 | Arch. | *Dorchester.* |
| M'Coy, George Madison, Jr. | *S.* | Chem. | *Melrose.* |
| McHenry, Wallace Estill, | 1 | Elec. Engin. | *St. Louis, Mo.* |
| McIntire, Frederic May, | *S.* | Mech. Engin. | *Cambridge.* |
| McKey, Charles, | *S.* | Hyg. | *Boston.* |
| McLean, George Samuel Read, | *S.* | Civ. Engin. | *Cambridge.* |
| McMurtry, George Gibson, 2d, | 1 | Geol. | *Allegheny City, Pa.* |

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|---|---|---|---|
| McNiel, Walter William, | *S.* | Gen. Sci. | *Elgin, Ill.* |
| Mack, John Joseph, | *S.* | Gen. Sci. | *New York, N. Y.* |
| Mains, Ernest Carlton, | *S.* | Chem. | *Danvers.* |
| Manahan, Thomas James, | 4 | Hyg. | *Boston.* |
| Manning, Charles Bartlett, | 1 | Mech. Engin. | *Manchester, N. H.* |
| Marshall, John Francis, | 2 | Mech. Engin. | *Allston.* |
| Martin, Charles Abbott, | 3 | Chem. | *Lowell.* |
| Mason, Ralph Eugene, | *S.* | Mech. Engin. | *Ellsworth, Me.* |
| Massa, Robert Falconer, A.B. (*Oberlin Coll.*) 1895, | 2 | Mech. Engin. | *Kansas City, Mo.* |
| Mayo, Wyndham Robertson, Jr. | 1 | Geol. | *Norfolk, Va.* |
| Meader, Herman Lee, | 1 | Arch. | *New Orleans, La.* |
| Merryweather, Arthur Marwood, | 4 | Civ. Engin. | *Chicago, Ill.* |
| Meyer, Albert Richard, | *S.* | Elec. Engin. | *Brookline.* |
| Miller, Willard E, | 1 | Chem. | *Goshen, Ind.* |
| Monks, Lester Hawthorne, | 1 | Geol. | *Brookline.* |
| Montague, Samuel Skerry, | 3 | Mech. Engin. | *San Francisco, Cal.* |
| Morris, Davis Harrington, | 2 | Civ. Engin. | *Chicago, Ill.* |
| Morse, Frank Winfred, | *S.* | Civ. Engin. | *Acushnet.* |
| Morton, Alex Amerton, | 3 | Elec. Engin. | *Wakefield.* |
| Moses, Ernest Maebry, | 2 | Civ. Engin. | *Urbana, O.* |
| Moulton, John Babcock, | 1 | Chem. | *Boston.* |
| Mowll, William Luther, | *S.* | Arch. | *Cambridge.* |
| Moyer, James Ambrose, | 1 | Elec. Engin. | *Norristown, Pa.* |
| Mumford, Gurdon Saltonstall, | 2 | Gen. Sci. | *New York, N. Y.* |
| Murphy, Florence John, | *S.* | Hyg. | *Lowell.* |
| Myer, James Walter, | *S.* | Hyg. | *New York, N. Y.* |
| Nazro, William Edward Coffin, | *S.* | Arch. | *Dorchester.* |
| Nelson, George Addison, | 1 | Gen. Sci. | *Upton.* |
| Nelson, Thomas Stead Ross, | *S.* | Hyg. | *Springfield, O.* |
| Newton, Frederick Maurice, | *S.* | Gen. Sci. | *New York, N. Y.* |
| Norton, Arthur Orlo, | 3 | Sci. T. | *Stillman Valley, Ill.* |
| Norton, Eckstein, | *S.* | Gen. Sci. | *New Brighton, N. Y.* |
| Norton, John Watkinson, | 1 | Gen. Sci. | *Cazenovia, N. Y.* |
| Nowell, Allen March, | *S.* | Geol. | *Winchester.* |
| O'Connor, William Morgan, | 1 | Min. Engin. | *San Francisco, Cal.* |
| Outerbridge, Frank, | 4 | Civ. Engin. | *New York, N. Y.* |
| Outerbridge, Samuel Roosevelt, | 3 | Civ. Engin. | *New York, N. Y.* |
| Page, Logan Waller, | *S.* | Geol. | *Richmond, Va.* |
| Palmeter, George Fitch, | 4 | Civ. Engin. | *Chicago, Ill.* |
| Parker, Harry Caldwell, | *S.* | Hyg. | *Dubuque, Ia.* |
| Parker, William Stanley, | 1 | Arch. | *Brookline.* |
| Partridge, Warren, | 3 | Elec. Engin. | *Newton.* |

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| Paschal, Samuel Scoville, | 1 | Geol. | *Washington, D. C.* |
| Percival, Arthur William, | 3 | Mech. Engin. | *Millbury.* |
| Phelps, William Henry, | 2 | B. & Z. | *New York, N. Y.* |
| Phillips, John Charles, | 1 | B. & Z. | *Boston.* |
| Pickard, Greenleaf Whittier, | *S.* | Elec. Engin. | *Boston.* |
| Pierce, Hugh Clay, | 1 | Elec. Engin. | *Buffalo, N. Y.* |
| Pierpont, George Walker, | 1 | Gen. Sci. | *Chicago, Ill.* |
| Pierpont, Lawrence, | 4 | Elec. Engin. | *Chicago, Ill.* |
| Prall, Ralph Taylor, | *S.* | Mech. Engin. | *Cleveland, O.* |
| Procter, John Robert, Jr. | 2 | Arch. | *Washington, D.C.* |
| Pruyn, Edward Lansing, | *S.* | Gen. Sci. | *Albany, N. Y.* |
| Purington, Frank Howard, | 1 | Arch. | *Boston.* |
| Radcliffe, William Hiram, | 2 | Elec. Engin. | *Rhinebeck, N. Y.* |
| Rainbolt, Wynn Mack, | *S.* | Min. Engin. | *Norfolk, Neb.* |
| Raudenbush, Harry William, | 4 | Gen. Sci. | *Reading, Pa.* |
| Read, William, 2d, | 2 | Gen. Sci. | *Cambridge.* |
| Reed, Ernest Albert, | 2 | Chem. | *Cambridge.* |
| Reynolds, Laurence Russell, | 1 | Civ. Eng. | *W. Newton.* |
| Rice, Arthur Waldo, | *S.* | Mech. Eng. | *Boston.* |
| Rice, George Tilly, | 1 | Gen. Sci. | *Boston.* |
| Rice, Orman Remington, | 2 | Elec. Engin. | *Newport, R. I.* |
| Rich, Edwin Willis, | 3 | Hyg. | *Boston.* |
| Rich, Walter Sears, | *S.* | Civ. Eng. | *Boston.* |
| Rich, Winfield Scott, | 4 | B. & Z. | *Wellfleet.* |
| Richards, John Bradford, | 2 | Mech. Engin. | *Andover.* |
| Richards, Oliver Filley, | 1 | Gen. Sci. | *St. Louis, Mo.* |
| Richardson, Francis Allen, | 4 | Civ. Engin. | *Cambridge.* |
| Ring, Henry Constant, | 2 | Arch. | *Winthrop Highl'ds.* |
| Robinson, Frank Duane, | 1 | Elec. Engin. | *Oneonta, N. Y.* |
| Robinson, Harry Pringle, | *S.* | Hyg. | *Plattsburg, N. Y.* |
| Robinson, Porter Osgood, | *S.* | Mech. Engin. | *Cambridge.* |
| Roche, James Thomas, Jr. | 1 | Elec. Engin. | *Cambridge.* |
| Rodger, John Duncan, | 2 | Hyg. | *St. Paul, Minn.* |
| Rogers, John Frances, | *S.* | Hyg. | *Chicago, Ill.* |
| Rogers, John Morris, Jr. | 1 | Civ. Engin. | *Wilmington, Del.* |
| Root, Frederic Delano, | 1 | Gen. Sci. | *Greenfield.* |
| Ross, Wayland, | *S.* | Gen. Sci. | *Cambridge.* |
| Ryan, Michael Healy, | 1 | Civ. Engin. | *Lynn.* |
| St. Clair, Harry, | *S.* | Elec. Engin. | *Boston.* |
| Saldaña, Eduardo Egberto, | 3 | Mech. Engin. | *San Juan, Porto Rico.* |
| Saldaña, Manuel Arturo, | 4 | Civ. Engin. | *San Juan, Porto Rico.* |
| Sanborn, James Forrest, | 1 | Civ. Engin. | *Cambridge.* |
| Sanders, Howard Prettyman, | *S.* | Gen. Sci. | *White Bear Lake, Minn.* |

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| Sanders, William Huntington, | *S* | Civ. Engin. | *Salem.* |
| Sawyer, Gordon Lodge, | 1 | Geol. | *Boston.* |
| Sawyer, James Cowan, A.B. (*Yale Coll.*) 1894, | *S.* | Mech. Engin. | *Dover, N. H.* |
| Sawyer, John Proctor, | 1 | Gen. Sci. | *Danvers.* |
| Schwarzenberg, Eugene Milton, | 2 | Mech. Engin. | *Winthrop.* |
| Scott, Worthington, A.B. (*Ohio Wesleyan Univ.*) 1892, | 2 | Arch. | *Delaware, O.* |
| Selfridge, Harold, | 2 | Mech. Engin. | *Washington, D. C.* |
| Shaw, Henry Milton, | *S.* | Civ. Engin. | *Greenville, Me.* |
| Shepardson, Ernest Warren, | 1 | Civ. Engin. | *Everett.* |
| Sherman, Carleton Farrar, | 1 | Civ. Engin. | *Jamaica Plain.* |
| Sherwin, Robert Waterston, | 1 | Elec. Engin. | *Jamaica Plain.* |
| Shurtleff, Arthur Asahel, S.B. (*Mass. Inst. Tech.*) 1894, | *S.* | Arch. | *Boston.* |
| Simpson, William Sloan, | 1 | Gen. Sci. | *Dallas, Tex.* |
| Sleeper, Stephen Wescott, | 1 | Gen. Sci. | *Boston.* |
| Slocum, Curly Lyon, | 1 | Civ. Engin. | *New London, Conn.* |
| Smith, Albert Ross, | 1 | Mech. Engin. | *Chelsea.* |
| Smith, George Washington, | 1 | Arch. | *Philadelphia, Pa.* |
| Snow, Clarence, | 3 | Elec. Engin. | *St. George, Utah.* |
| Souther, Allan Bartlett, | 3 | Mech. Engin. | *Somerville.* |
| Spalding, Roger, | 2 | Hyg. | *Cambridge.* |
| Spivey, Andrew Cecil, | *S.* | Mech. Engin. | *Cambridge.* [*Can.* |
| Stack, Thomas Hyacinth, | 1 | Sci. T. | *New Brunswick,* |
| Sterling, Robert Dutcher, | 3 | Gen. Sci. | *St. Louis, Mo.* |
| Stevens, Charles Goold, | 1 | Hyg. | *Lynn.* |
| Stevens, Edward Winslow, | 1 | Elec. Engin. | *Cambridge.* |
| Stevens, Samuel Barron, | *S.* | Elec. Engin. | *Rome, N. Y.* |
| Stevenson, William Freeman, | 3 | Civ. Engin. | *Greenville, N. H.* |
| Stott, Charles Williams, | 1 | Civ. Engin. | *Lowell.* |
| Stowell, George Leverett, | 1 | B. & Z. | *Lexington.* |
| Taggart, Howard Ward, | 1 | Elec. Engin. | *So. Orange, N. J.* |
| Talbott, Charles Nicoll, Jr. | 1 | Gen. Sci. | *New York, N. Y.* |
| Taylor, George Robert, | 1 | Elec. Engin. | *Youngstown, O.* |
| Teung, Chan Loon, | *S.* | Chem. | *China.* |
| Thompson, William Couillard, | *S.* | Elec. Engin. | *Malden.* |
| Thomson, Clarke, | 1 | Gen. Sci. | *Merion Station, Pa.* |
| Tilden, Charles Joseph, | 4 | Civ. Engin. | *Milton.* |
| Tilney, John Stringer, Jr. | *S.* | Geol. | *Orange, N. J.* |
| Tilton, Willis Page, | 2 | Gen. Sci. | *Roxbury.* |
| Tompkins, Thomas Davis, | 2 | Elec. Engin. | *Brooklyn, N. Y.* |

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| Tower, William Lawrence, | *S.* | B. & Z. | *Westdale.* |
| Tozier, Charles Herman, | 2 | Hyg. | *Somerville.* |
| Tuckerman, Felix Leon, | 1 | Arch. | *Newport, R. I.* |
| Verveer, Emanuel, | 2 | Civ. Eng. | *Boston.* |
| Wadsworth, Arthur Clinton, | 2 | Sci. T. | *Cambridge.* |
| Walker, Alexander Stewart, | 1 | Arch. | *Chicago, Ill.* |
| Walker, Henry Pickering, | 3 | Elec. Engin. | *Washington, D. C.* |
| Ward, Harry C, | 1 | Elec. Engin. | *Greenfield, Tenn.* |
| Ware, John, | 1 | Civ. Engin. | *E. Milton.* |
| Waterman, John Slater, | 2 | Hyg. | *E. Greenwich, R. I.* |
| Webster, James Edward, | *S.* | Arch. | *Newtonville.* |
| Wentz, Daniel Bertsch, | 2 | Gen. Sci. | *Mauch Chunk, Pa.* |
| Werren, Horace Hatch, | *S.* | Hyg. | *Abington.* |
| Wheeler, Stuart Wadsworth, | 1 | Hyg. | *Philadelphia, Pa.* |
| White, Charles Euclid, | 1 | B. & Z. | *Shelburne Falls.* |
| White, Otis Converse, Jr. | 4 | Elec. Engin. | *Worcester.* |
| Whitfield, Howard Clarke, | 1 | Arch. | *Chicago, Ill.* |
| Whitfield, Henry Davis, | 2 | Arch. | *New York, N. Y.* |
| Whitfield, John Clarke, | 2 | Arch. | *Chicago, Ill.* |
| Whiting, Stephen Edgar, | 4 | Elec. Engin. | *Cambridge.* |
| Whitman, Clarence Morton, | 1 | Gen. Sci. | *New York, N. Y.* |
| Whitney, George Brackett, | *S.* | Mech. Engin. | *Newton.* |
| Whittall, Matthew Percival, | 1 | Gen. Sci. | *Worcester.* |
| Whorf, Stephen Cook, | 1 | Mech. Engin. | *Provincetown.* |
| Wilder, Henry Merrill, A.B. (*Bowdoin Coll.*) 1893, | 2 | Elec. Engin. | *Brownville, Me.* |
| Wilcutt, Joseph Nicolas, | *S.* | Arch. | *Cohasset.* |
| Williams, Charles Hoyt, | 2 | Elec. Engin. | *Buffalo, N. Y.* |
| Williams, Hermann Warner, | 1 | Arch. | *Boston.* |
| Williams, Lombard, | 2 | Arch. | *Buffalo, N. Y.* |
| Wilson, Louis Thornton, | 1 | B. & Z. | *Worcester.* |
| Wilson, Ralph Graham, | *S.* | Gen. Sci. | *Germantown, Pa.* |
| Wolbach, Edwin Joseph, | *S.* | Chem. | *Grand Island, Neb.* |
| Wood, John William, Jr. | 2 | Mech. Engin. | *Cambridge.* |
| Wood, Sabine Wallingford, | *S.* | Gen. Sci. | *Bangor, Me.* |
| Woodman, Joseph Edmund, | 3 | Geol. | *Cambridge.* |
| Woodward, Francke Leonard, | *S.* | Elec. Engin. | *Albany, N. Y.* |
| Wright, Reuben Irving, | *S.* | Elec. Engin. | *Denison, Tex.* |
| Young, Ernest Adams, | 1 | Chem. | *Dorchester.* |

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## SUMMARY.

| | |
|---|---|
| Fourth Year Students | 30 |
| Third " " | 27 |
| Second " " | 73 |
| First " " | 106 |
| Special " | 104 |
| Total | 340 |

| | |
|---|---|
| Civil Engineering | 41 |
| Electrical Engineering | 65 |
| Mechanical Engineering | 41 |
| Mining Engineering | 7 |
| Architecture | 45 |
| Chemistry | 17 |
| Geology | 20 |
| Botany and Zoölogy | 14 |
| General Science | 55 |
| Science for Teachers | 8 |
| Anatomy, Physiology, and Physical Training | 27 |
| Total | 340 |

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# THE SCIENTIFIC SCHOOL.

## ADMISSION.

### I. ADMISSION OF CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE.

#### Methods of Admission.

Candidates may be admitted by examination or, if they come from other colleges, without complete examination, or with such examinations as the Administrative Board may require. For the latter method, see p. 277.

Examinations for admission are held in June both at Cambridge and at the places named on p. 274; in September at Cambridge only. For the regulations concerning division of the examination between two years or between June and September of the same year, see pp. 272, 273. For the hours set for examinations, see p. 276.

#### Testimonials.

Every candidate for admission is required to furnish a testimonial of honorable dismissal from the school or college which he has attended, or from the tutor with whom he has studied. He must also refer to two persons, preferably his teachers or employers, from whom information about him may be obtained. Testimonials may be presented at the time of the Final Examination; references should be sent to the Secretary of the Scientific School a month earlier. When a candidate has been in regular attendance at a school or academy during the year preceding his Final Examination, a testimonial from a private tutor will not in itself be sufficient.

#### Certificates.

A certificate of preparation is required of every candidate for a Preliminary Examination. There is a prescribed form for this certificate; see p. 273. No certificate of preparation is required of a candidate for Final Examination, or of one who postpones part of his examination from June to September in the same year.

#### Notice Required.

Candidates who wish to be examined in any place other than Cambridge, are required to give notice to the Corresponding Secretary of the Univer-

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sity. The notice must be in the Secretary's hands not later than June 10. Candidates who intend to take any of the examinations of the first day must mention this intention in the notice.

### Fees.

No fee is charged for examination in Cambridge.

A fee of five dollars must be paid *in advance* by every candidate who is examined at any place other than Cambridge. The whole fee of a candidate who purposes to divide his examination is to be paid before his first examination: it should be sent by check, post-office order, or registered letter, to CHARLES F. MASON, Bursar, Cambridge, Mass., and should be in the Bursar's hands not later than June 10.

Persons who do not intend to enter the Scientific School will be admitted to the examinations at places other than Cambridge on payment of a fee of five dollars; and, if successful, will receive certificates to that effect.

### Requirements for Admission.

Candidates for admission will be examined in the following subjects: English, German or French, History, Algebra, Plane Geometry, Solid Geometry, Physics.

Candidates who propose to register in the department of General Science must offer either Experimental Physics or Chemistry, and those who propose to register in the department of Chemistry or in the department of Science for Teachers must offer both Experimental Physics and Chemistry.

Candidates for the department of Electrical Engineering and those for the department of Anatomy, Physiology, and Physical Training are advised to offer Experimental Physics.

Candidates for the department of Mining Engineering are advised to offer French and German and Advanced Mathematics.

After the year 1896, candidates for the department of Architecture will be required to offer both the History of Greece and Rome and the History of the United States and England, and Free-hand Drawing in addition to other requirements. For the examination in 1896, they are advised to offer these subjects and both German and French.

### Deficiencies.

A candidate may be admitted in spite of deficiencies in some of these studies; but no candidate so admitted will be advanced to Third-Year standing in the School until he has made good such deficiencies to the satisfaction of the Administrative Board of the School.

The exact number of deficiencies with which a candidate may be admitted cannot be named in advance, since each case is considered on its merits.

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No student in Engineering or Architecture will be advanced to Second-Year standing until all his admission deficiencies in Mathematics are made good to the satisfaction of the Administrative Board.

### Elementary Studies.

*English.* — English may be offered either as a Preliminary or as a Final subject (see p. 272, 273). In 1896 and thereafter the examination will occupy two hours.

The examination will consist of two parts, which, however, cannot be taken separately: —

I. The candidate will be required to write a paragraph or two on each of several topics chosen by him from a considerable number — perhaps ten or fifteen — set before him on the examination paper. In 1896 the topics will be drawn from the following works: —

Shakspere's Midsummer Night's Dream; Defoe's History of the Plague in London; Irving's Tales of a Traveller; Scott's Woodstock; Macaulay's Essay on Milton: Longfellow's Evangeline; George Eliot's Silas Marner.

The candidate is expected to read intelligently *all* the books prescribed. He should read them as he reads other books; he is expected, not to know them minutely, but to have freshly in mind their most important parts. In every case the examiner will regard knowledge of the bock as less important than ability to write English.

As additional evidence of preparation, the candidate may present an exercise book, properly certified by his instructor, containing compositions or other written work.

The works prescribed for this part of the examination in 1897 and 1898 are as follows: —

In 1897: Shakspere's As You Like It; Defoe's History of the Plague in London; Irving's Tales of a Traveller; Hawthorne's Twice Told Tales; Longfellow's Evangeline; George Eliot's Silas Marner.

In 1898: Milton's Paradise Lost, Books I and II; Pope's Iliad, Books I and XXII; The Sir Roger de Coverley Papers in the Spectator; Goldsmith's Vicar of Wakefield; Coleridge's Ancient Mariner; Southey's Life of Nelson; Carlyle's Essay on Burns; Lowell's Vision of Sir Launfal; Hawthorne's House of the Seven Gables.

In 1899: Dryden's Palamon and Arcite; Pope's Iliad, Books I, VI., XXII, and XXIV; The Sir Roger de Coverley Papers in the Spectator; Goldsmith's Vicar of Wakefield; Coleridge's Ancient Mariner; De Quincey's Flight of a Tartar Tribe; Cooper's Last of the Mohicans; Lowell's Vision of Sir Launfal; Hawthorne's House of the Seven Gables.

II. A certain number of books will be prescribed for careful study. This part of the examination will be upon subject-matter, literary form,

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and logical structure, and will also test the candidate's ability to express his knowledge with clearness and accuracy.

The books prescribed for this part of the examination are:

In 1896: Shakspere's Merchant of Venice; Milton's L'Allegro, Il Penseroso, Comus, and Lycidas; Webster's First Bunker Hill Oration.

In 1897: Shakspere's Merchant of Venice; Burke's Speech on Conciliation with America; Scott's Marmion; Macaulay's Life of Samuel Johnson.

In 1898: Shakspere's Macbeth; Burke's Speech on Conciliation with America; De Quincey's Flight of a Tartar Tribe; Tennyson's Princess.

In 1899: Shakspere's Macbeth; Milton's Paradise Lost, Books I and II; Burke's Speech on Conciliation with America; Carlyle's Essay on Burns.

No candidate will be accepted in English whose work is seriously defective in point of spelling, punctuation, grammar, or division into paragraphs.

In connection with the reading and study of the prescribed books, parallel or subsidiary reading should be encouraged, and a considerable amount of English poetry should be committed to memory. The essentials of English grammar should not be neglected in preparatory study.

The English written by a candidate in any of his examination-books may be regarded as part of his examination in English in case the evidence afforded by the examination-book in English is insufficient.

*German or French.** — The translation at sight either of simple German prose, or of ordinary French prose. The passages set for translation will be similar to those set at the final examinations in German *A* and French *A* respectively, — College courses, each having three hours of instruction a week through the year. The passages set for translation must be rendered into simple and idiomatic English. A knowledge of the language itself, rather than of the grammar, is expected; but proficiency in elementary grammar or facility in writing the language will be accepted as an offset to some deficiency in translation. It is recommended that from the outset attention be given to pronunciation. Wherever possible, care should be taken, during the whole course of preparation, to accustom the pupil to hear and understand spoken German and French.

*History* (*including Historical Geography*). — Either (1) History of Greece and Rome; or (2) History of the United States and of England.

The following works will serve to indicate the amount of knowledge demanded in History: Oman's History of Greece; Allen's History of the Roman People (the whole), *or* Leighton's History of Rome (to the death of Commodus); Higginson's Young Folks' History of the United States

* Candidates from countries in which English is not spoken may defer the entrance examination in French *or* German to the end of their first year of residence.

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(to the end of Chapter XXI), and Johnston's History of the United States for Schools (beginning at § 269); Guest and Underwood's Handbook of English History (to the year 1793), or Gardiner's Student's History of England through Part IX.

The following selections are recommended for additional reading and will be made the basis of optional questions in the examination: * —

For Greek History: Curtius's History of Greece, Book I, Ch. I, Book II, Ch. IV, and Book III, Ch. III.

For Roman History: Beesly's The Gracchi, Marius, and Sulla; Tighe's Development of the Roman Constitution.

For American History: Lodge's English Colonies, Chapters II, and XXII; Morse's John Quincy Adams, Chapters II and III; Josiah Quincy's Figures of the Past.

For English History: Macaulay's History of England, Chapters I and III.

*Algebra*, through Quadratic Equations. (The requirement in Algebra embraces the following subjects: factors, common divisors and multiples, fractions, ratios and proportions; negative quantities and the interpretation of negative results; the doctrine of exponents; radicals and equations involving radicals; the binomial theorem for positive integral exponents and the extraction of roots; putting questions into equations, and the reduction of equations; the ordinary methods of elimination, and the solution of both numerical and literal equations of the first and second degrees, with one or more unknown quantities, and of problems leading to such equations.)

*Plane Geometry.*

*Solid Geometry.* The following book will serve to indicate the nature and amount of the requirements in Solid Geometry: —

Chauvenet's Geometry, revised and abridged (Philadelphia: J. P. Lippincott & Co.). Books VI, VII, VIII, and IX.

*Physical Science.* — Either (1) Astronomy (Young's Lessons in Astronomy, Ginn & Co., omitting the appendix) and Physics (Avery's Elements of Natural Philosophy,† or Gage's Elements of Physics); or (2) a course of experiments not less than forty in number performed at school by the pupil. These must be selected from a list issued by the University under the title of a *Descriptive List of Elementary Physical Experiments*, or must be approved by the Department of Physics as the equivalent of those contained in this list.

* Candidates who take the questions on the Selections will be allowed to omit some of the questions on the corresponding Manual.

† The following portions of the 1885 edition may be omitted: — sections I and II of chap. I (excepting arts. 23–30), arts. 254–267, 346–349, 371, 411–415, 445–455, 464–467, 470–476, 707–714, 729–745, and the whole Appendix.

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The Faculty requests all teachers who can command the necessary apparatus to present their pupils in (2) rather than in (1). (For the character of the examination in (2) see the notes under Optional Subjects.

### Optional Subjects.

In addition to these *required* subjects there are others, given in the following list, which may well be offered by candidates for the Scientific School. They are called Advanced Studies in the requirements for admission to Harvard College.

Students who have passed the examiniations at admission in any of these Advanced Studies, or in any studies required in the School, will be given credit for the courses so passed and may substitute for them others chosen with the approval of the Administrative Board.

*Logarithms and Trignometry.* Wheeler's Logarithms (Cambridge: Sever) or the unbracketed portions of Peirce's Elements of Logarithms (Boston: Ginn & Co.). Wheeler's Plane Trignometry (same publishers). Problems in Plane Trignometry (Cambridge: Sever). Peirce's Mathemathical Tables, chiefly to four places (Boston: Ginn & Co.).*

*Analytic Geometry.* Brigg's Analytic Geometry (New York: Wiley & Co.).

*Advanced Algebra.* Wenthworth's College Algebra (Boston: Ginn & Co.), to article 498, omitting Chapters XIX, XX, XXIV, XXV, XXVII, XXVIII. The examiniation will be mainly occupied with the portions of Algebra, as thus defined, which are not included in the elementary requirement in Algebra; but elementary questions will not necessarily be excluded.

*Physical Science.* — Physics. A course of at least sixty experiments in addition to those of Elementary Physics (2), selected from the same or similar manuals, and covering the same subjects, but demanding more skill and more knowledge of physical theories and laws.

*Physical Science.* — Chemistry. A course of at least sixty experiments in General Chemistry actually performed at school by the pupil.

### Note-books and Laboratory Examinations.

In Elementary Physics (and in Advanced Physics, and in Chemistry, if these subjects are offered), the candidate will be required to pass both a written and a laboratory examination. The written examination will test his knowledge of experiments and experimenting as well as his knowledge of principles and results. The laboratory examination will test his skill in experimenting. The candidate will be required to hand in the original

* Candidates are required to use at the examinations the four-place tables provided by the University.

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note-book in which he recorded the steps and the results of the experiments which he performed at school; and this note-book must bear the endorsement of his teacher, certifying that the notes are a true record of the pupil's work. The note-book in Physics should contain an index of the exercises which it describes.

A candidate who offers Elementary or Advanced Physics or Chemistry will hand in his laboratory note-book at *the hour of the written examination.*

Laboratory note-books will be deposited, after examination, in the College office, where they will be kept for a reasonable time, subject to the order of the owners.

A candidate examined in June at any place where a laboratory examination is not provided will be required to take such examination in Cambridge in the autumn on the day and at the place named below (p. 276); but if he passes the written examination in June and presents a satisfactory note-book, the subject will be counted in his favor in determining the question of his admission to the School. Similarly a Preliminary candidate is allowed to postpone his laboratory examination until September of the year in which he enters the School.

Most pupils will need lectures or other oral explanations in addition to the descriptions given in the laboratory manuals. When it is impossible to provide lectures, two text-books treating the subject from different points of view will be advantageous.

Descriptive lists of experiments which will meet the requirements in Physics and Chemistry may be procured (at 40 cents each) of the Harvard Coöperative Society, or of C. W. Sever, Bookseller, Harvard Square, Cambridge.

### Examination Papers.

A set of recent examination papers will be sent free to any address, on application to the Secretary of the School. Separate papers used during the last two years in any subject may be had by the *dozen* (copies or more) of any *one* paper at ten cents a dozen.

## Division of the Examination.

A candidate for admission may take the entire examination at one time; or he may divide it, under conditions named below (1) between two years, or (2) between June and September of the same year. In the former case he is known as a "Preliminary Candinate"; in the latter as a "Postponer." Teachers and candidates should carefully distinguish between the words "Preliminary" and "Postponing" as used at examinations for admission, since a careless use of one of these words for the other leads to serious misunderstanding. A Preliminary Examination is

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always taken a year or more before the Final Examination. Postponing candidates, whether in September or in June, are taking Final Examinations.

### 1. Preliminary Examination.

A candinate may pass a Preliminary Examination in some of the studies, and be examined in the remaining studies in some subsequent year. For the Preliminary Examination the candidate must present himself *in June*, having previously sent in a certificate of preparation; see below. No Preliminary Candidates will be examined in September without special permission from the Dean.

A Preliminary certificate will be granted to any candidate who passes two subjects on the examination programme.

Candidates may offer themselves for the Preliminary Examination in any studies *in which their teachers certify that they are prepared, and in no others.*

### Certificates of Preparation.

The certificate of preparation for Preliminary candidates must be in the following form: —

"..... has been my pupil for..... years, and is, in my judgment, prepared to pass the Harvard Preliminary Examinations in the following studies: — . .. Name of Teacher:..... Name of School:..... Address:....."

When a candidate has been in regular attendance at a school or academy for any part of the year preceding his Preliminary Examination, his certificate must be signed by the principal of that school or academy.

The certificates of candidates to be examined in Cambridge must be in the hands of the Secretary of the Scientific School on or before June 21; those of candidates to be examined elsewhere, on or before June 14.

### 2. Postponing.

A candidate who presents himself in June intending to pass the whole examination in the same year may postpone until September a part of his examination, but he will receive no credit for the examination held in June, unless he passes in at least two subjects. Candidates who divide the examination between June and September of the same year must register in June not as *Preliminary* but as *Final* candidates. In September they must present themselves at 8 A.M. on the *first day* of the Examinations, Thursday, September 24 (see p. 275).

## ADMISSION TO ADVANCED STANDING.

A candidate may be admitted to advanced standing either by passing examinations in all the studies already pursued by the class for which he offers himself, in addition to the entrance examinations; or from another

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scientific school or college upon such conditions as the Administrative Board may deem equitable in each case, regard being had to the applicant's previous course of study, and to the evidence of proficiency exhibited by him.

The successful study of any subject in Harvard College will be taken as an equivalent for the same subject in the Scientific School; but no Scientific School degree will be given to a graduate of the College without at least one full year's work in the School.

## Times and Places of Examination.

### Examination for Admission to the First-Year Class.

Two regular examinations for admission to the First-Year Class are held each year, — one at the beginning of the summer vacation, and the other before the beginning of the academic year in the autumn.

### *First Examination.*

In 1896, the *first examination* will be held on Tuesday, Thursday, Friday, and Saturday, June 23, 25, 26, and 27.

Candidates who wish to take any of the examinations held on the first day must assemble punctually at 8 A.M. on that day. All other candidates must present themselves punctually at 8 A.M. on the second day.

The examinations will be held in the following places: —

In *Cambridge*, in Sever Hall.

In *Quincy*, in the rooms of the Adams Academy.

In *Andover*, in the rooms of the Phillips Academy.

In *Groton*, in the rooms of the Groton School.

In *Southborough*, in the rooms of St. Mark's School.

In *Worcester*, in Curtis Hall, the Young Men's Christian Association building, Elm Street.

In *Exeter, N. H.*, in the rooms of Phillips Exeter Academy.

In *Concord, N. H.*, in the rooms of St. Paul's School.

In *Portland, Me.*, in the rooms of the Portland High School.

In *Lakeville, Conn.*, in the rooms of the Hotchkiss School.

In *New York, N. Y.*, in the lecture-room of the Young Men's Christian Association, Twenty-third Street, corner of Fourth Avenue.

In *Garden City, N. Y.*, in the rooms of St. Paul's Cathedral School.

In *Albany, N. Y.*, in the rooms of the Young Men's Christian Association.

In *Buffalo, N. Y.*, in the High School building, corner of Court and Franklin Streets.

In *Philadelphia, Pa.*, in the rooms of the Young Men's Christian Association building, corner of Fifteenth and Chestnut Streets.

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In *Lawrenceville, N. J.*, in the rooms of the Lawrenceville School.

In *Washington, D. C.*, in the rooms of the Young Men's Christian Association.

In *Cleveland, O.*, in the Central High School building.

In *Cincinnati, O.*, in the rooms of the Law School, College Building, Walnut Street.

In *Chicago, Ill.*, in the rooms of the Chicago Athenaeum, Van Buren Street.

In *Minneapolis, Minn.*, in the Lecture-room of the Public Library building.

In *St. Louis, Mo.*, in the Board of Education building, corner of Ninth and Locust Streets.

In *Omaha, Neb.*, in the rooms of the Young Men's Christian Association.

In *Denver, Col.*, in the rooms of the Denver High School (District No. 1), corner of Nineteenth and Stout Streets.

In *San Francisco, Cal.*, in the rooms of the Mechanics' Institute, 31 Post Street.

In *Belmont, Cal.*, in the rooms of the Belmont School.

In *Portland, Oregon.*

In *Bonn, Germany*, at the Hotel Kley.

In *Tokyo, Japan.*

The School will ordinarily conduct the admission examinations in June in any school or city where the number of candidates for examination, Preliminary or Final, shall be not less than ten; provided that the school or city be not within easy reach of one of the regular places of examination. Applications for examinations in June, in schools or cities not named above, should be made to the Corresponding Secretary of Harvard University as early as the 1st of April.

### Notice Required.

For the notice and the fees required of candidates examined in any place other than Cambridge, see p. 267.

### *Second Examination.*

The *second examination* will be held *in Cambridge only*, on Thursday, Friday, Saturday, and Monday, September 24, 25, 26, and 28.

All candidates must present themselves punctually at 8 A.M. on the *first* day of the examination.

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### Order of Examinations.

*Tuesday June 23.*

8 A.M. Candidates offering Advanced Chemistry, Advanced Physics, Advanced Algebra, or Analytic Geometry meet the officer in charge of the examination.
11¼–12¼. Advanced Chemistry (written examination).
12¾– 1¾. Advanced Algebra.
2 – 3. Analytic Geometry.
3 – 4. Advanced Physics (written examination).

*Thursday, June 25, and Thursday, September 24.*

8 A.M. Candidates meet the officer in charge of the examinations.

*Friday, June 26, and Friday, September 25.*

8–9. Elem. Physics.
9¼–10¼. Plane Geometry.
10½–11½. Algebra.
11¾–12¾. History.
1½–3½. English.

*Saturday, June 27, and Saturday, Sept. 26.*

10¼–11¼. Log. and Trigonometry.
3¾– 4¾. Solid Geometry.
1¼–2¼. Elem. French (French *A*).
2½–3½. Elem. German (German *A*).

*Monday, September 28.*

8 A.M. Candidates offering Advanced Chemistry, Advanced Physics, Advanced Algebra, or Analytic Geometry meet the officer in charge of the examinations.
11¼–12¼. Advanced Chemistry (written examination).
12¾– 1¾. Advanced Algebra.
2 – 3. Analytic Geometry.
3 – 4. Advanced Physics (written examination).

### Laboratory Examinations.

The stated time for the laboratory examination in Elementary Experimental Physics is Thursday, Friday, and Saturday of the examination periods; in Advanced Physics and Chemistry, Tuesday of the June period and Monday of the September period. On these days examinations are held in Cambridge only, and appointments for them will be made as soon as practicable after the first general assembling of all the candidates.

In June, classes from schools in the vicinity of Cambridge may, by special arrangement, take the laboratory examinations in Physics and Chemistry on earlier days.

Laboratory examinations in Physics and Chemistry, but only for those who have previously passed the written examination and received a pro-

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visional mark (see p. 272), will be held as follows: Elementary and Advanced Physics on Wednesday, September 30, at 2 P.M. in the Jefferson Physical Laboratory, (these examinations, however, may, if desired, be taken at the stated times as given above); Advanced Chemistry on Wednesday, September 30, at 2 P.M. in Boylston Hall.

## II. ADMISSION OF SPECIAL STUDENTS.

The courses of study in the Scientific School are open to persons who satisfy the Administrative Board of the School of their fitness to pursue the particular courses they elect, although they have not passed the usual examinations for admission. These students are known as Special Scientific Students; they are members of the School from the time of their admission, but are not candidates for the degrees given by the School.

At the beginning of each year Special Students must submit their choice of studies for approval. They will be required to take each year four full courses selected from among the following: Courses in Mathematics, Engineering, Physics, Chemistry, Geology, Botany, or Zoölogy, and any courses in other departments which are prescribed in the several departments of study for the degree of S.B.

At least one-half of the work of each Special Student must be taken from the regular programme of the department of study in which he registers.

Candidates who cannot otherwise show that they are competent to pursue subjects which are protected by entrance examinations, must pass satisfactory tests before entering these courses.

Exceptional cases may be referred to the Administrative Board by petition.

Special Students are subject to all the regulations of the School. A report of their work is sent to their parents or guardians at the end of the year.

The Administrative Board reserves the right to deprive any Special Student of his privilages at any time, if he abuse or fail to use them.

A certificate of proficiency will be given, if desired, to any Special Student who has faithfully pursued his chosen subjects throughout a year and attained a grade not lower than Grade *B* therein.

### FORM OF APPLICATION.

Persons who wish to enter the School with Advanced Standing or as Special Students will be furnished with printed forms of application by the Secretary of the School. The form must be filled out and returned to the Secretary before the application will be considered by the Administrative Board of the School.

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## REGISTRATION.

Every student is required to present himself for registration, at a place announced on the bulletin boards of the School, on the Wednesday before, or on Thursday, the first day of the academic year, between the hours of 9 A.M. and 1 P.M., and not later than 12 o'clock noon on the first week day after the Christmas recess and after the April recess. He is further required to enroll himself at the first exercise in each of his studies; or, in case he has obtained leave to change his studies, at the first exercise after his admission to the new course.

Special Students who are already members of the School, and candidates whose applications have been approved by the committee, will present themselves for registration on the same days and at the same place as Regular Students.

## DEPARTMENTS OF STUDY IN THE SCHOOL.

*The courses are selected mainly from the Courses of Instruction provided by the Faculty of Arts and Sciences and described at length on pp. 69–129, under the headings which are here given in the brackets.*

### Department of Engineering.

### Civil and Topographical Engineering.

The student's attention is called to the requirement of five weeks' work in the field at the end of the first and second year; this work is a continuation of the courses in surveying and railroad engineering. Those who pass the entrance examination in French will be required to take one year of French and one year of German. Those who pass the entrance examination in German will be required to take two years of French.

Students who complete this course and pass the required examinations and present a satisfactory thesis will receive the degree of Bachelor of Science in Civil and Topographical Engineering.

*First Year.*

Plane Trigonometry, Advanced Algebra, Plane Analytic Geometry (Engineering 1*a*). Messrs. LOVE and ASHTON.

Mechanical Drawing. — Descriptive Geometry (Engineering 3*a*). Messrs. MOSES, A. N. JOHNSON, and TILDEN.

Land Surveying (Engineering 4*a*). Messrs. TURNER and HOPKINS.

General Descriptive Chemistry (Chemistry 1). Professor JACKSON.

Rhetoric and English Composition (English *A*). Professors A. S. HILL and BRIGGS, and Messrs. HURLBUT, COPELAND, HART, COBB, FLANDRAU, and LA ROSE.

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Elementary French (French *A*). Messrs. BABBITT and C. H. C. WRIGHT.

Required of students who did not offer French at their examination for admission. Or

Advanced French (French 1*b*). Messrs. BABBITT and C. H. C. WRIGHT

*Second Year.*

Solid Analytic Geometry, Differential and Integral Calculus (Engineering 1*c*). Mr. LOVE.

Structural and Machine Drawing (Engineering 3*c*, *first half-year*). Mr. MOSES.

Mechanism (Engineering 3*d*, *second half-year*). Mr. MOSES.

Geodesy (Engineering 4*c*, *first half-year*). Messrs. TURNER and HOPKINS

Railroad Engineering (Engineering 4*d*, *second half-year*). Mr. TURNER.

General Descriptive Physics (Physics 1). Professor HALL.

Lectures and Field Exercises in Geology (Geology 4). Professor SHALER and Messrs. DALY and SCHRADER.

English Composition. (English *BC.*) Messrs. HURLBUT, HALL, and HART.

Advanced French (French 1*b*). Messrs. BABBITT and C. H. C. WRIGHT

Or

Elementary German (German *A*). Mr. NICHOLS, Dr. BIERWIRTH, and Messrs. W. G. HOWARD and WALZ.

*Third Year.*

Analytical and Applied Mechanics (Engineering 5*a*, *first half-year*). Professor HOLLIS and Mr. L. J. JOHNSON.

Resistance of Materials (Engineering 5*c*, *second half-year*). Professor HOLLIS.

Hydraulics (Engineering 6*a*, *second half-year*). Messrs. TURNER and HOPKINS.

Experimental Methods (Engineering 13*a*, *second half-year*). Mr. MARKS.

Machinery and Boilers (Engineering 11*a*, *first half-year*). Mr. MARKS.

Descriptive Astronomy (Engineering 2*a*, *first half-year*). Dr. WILLSON.

Practical Astronomy (Engineering 2*b*, *second half-year*). Dr. WILLSON.

Metallurgy (Engineering 18*a*, *first half-year*). Mr. TORREY.

Common Roads (Engineering 4*e*, *second half-year*). Mr. MCCLINTOCK.

Physical Geography (Geology $2^1$, *first half-year*). Professor DAVIS and Mr. GRISWOLD.

Meteorology (Geology $1^2$, *second half-year*). Mr. WARD.

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*Fourth Year.*

Bridges and Buildings (Engineering 7*a*). Mr. L. J. JOHNSON.

Masonry and Timber Structures (Engineering 8*a*, *second half-year*). Mr. L. J. JOHNSON.

Hydraulic Motors (Engineering 6*b*, *first half-year*). Mr. TURNER.

Experimental Hydraulics (Engineering 13*d*, *first half-year*). Mr. TURNER.

Sanitary Engineering (Engineering 6*c*, *second half-year*). Mr. RICE.

Irrigation (Engineering 6*d*, *first half-year*). Mr. TURNER.

Industrial Applications of Electricity (Engineering 16*a*, *first half-year*). Mr. ADAMS.

Contracts and Specifications (Engineering 22). Mr. ——.

Economics of Machinery (Engineering 21). Professor HOLLIS.

Preparation of Thesis.

One course, or two half-courses, must be chosen for the fourth year in addition to those required above, the subject to be selected with the approval of the Engineering Department. The following are recommended as suitable courses from which a selection may be made: —

English Composition (English 12). Asst. Professor WENDELL, and Messrs. YOUNG and CORBIN.

European History (History 1). Dr. COOLIDGE.

History of the United States (History 13). Asst. Professor HART.

Principles of Political Economy (Economics 1). Professors TAUSSIG and ASHLEY, Asst. Professor EDWARD CUMMINGS and Dr. JOHN CUMMINGS.

Railway Transportation (Economics 5, *first half-year*). Professor TAUSSIG.

Tariff Legislation (Economics 6, *first half-year*). Professor TAUSSIG.

## Electrical Engineering.

The student's attention is called to the shopwork, a large part of which may be taken by five weeks' Summer work at the end of the first and second years. Those who pass the entrance examination in German will be required to take one year of French and one year of German. Those who pass the entrance examination in French will be required to take two years of German.

Students who complete this course and pass the required examinations and present a satisfactory thesis will receive the degree of Bachelor of Science in Civil and Electrical Engineering.

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*First Year.*

Plane Trigonometry, Advanced Algebra, Plane Analytic Geometry (Engineering 1*a*). Messrs. LOVE and ASHTON.

Mechanical Drawing. — Descriptive Geometry (Engineering 3*a*). Messrs. MOSES, A. N. JOHNSON, and TILDEN.

Shopwork. — Use of Tools (Engineering 10*a*, —— *half-year*). Rindge School and Mr. BURKE.

Shopwork. — Blacksmithing (Engineering 10*b*, —— *half-year*). Rindge School and Mr. BURKE.

Experimental Physics (Physics *C*). Asst. Professor SABINE and Mr. L. D. HILL. Or

General Descriptive Physics (Physics 1). Professor HALL.

Rhetoric and English Composition (English *A*). Professors A. S. HILL and BRIGGS and Messrs. HURLBUT, COPELAND, HART, COBB, FLANDRAU, and LA ROSE.

Elementary German (German *A*). Mr. NICHOLS, Dr. BIERWIRTH, and Messrs. W. G. HOWARD and WALZ.

Required of students who did not offer German at their examination for admission. Or

Advanced German (German 1*c*). Mr. W. G. HOWARD.

*Second Year.*

Solid Analytic Geometry. — Differential and Integral Calculus (Engineering 1*c*). Mr. LOVE.

Structural and Machine Drawing (Engineering 3*c*, *first half-year*). Mr. MOSES.

Mechanism (Engineering 3*d*, *second half-year*). Mr. MOSES.

Shopwork. — Pattern Making and Foundry (Engineering 10*c* and 10*d*, —— *half-year*). Rindge School and Mr. BURKE.

Shopwork. — Machine Tools (Engineering 10*e*, —— *half-year*). Rindge School and Mr. BURKE.

Electrostatics, Electrokinematics, and Electromagnetism (Physics 3). Professor B. O. PEIRCE and Mr. DURWARD.

General Descriptive Chemistry (Chemistry 1). Professor JACKSON.

English Composition (English *BC*). Messrs. HURLBUT, HALL, and HART.

Advanced German (German 1*c*). Mr. W. G. HOWARD. Or

Elementary French (French *A*). Messrs. BABBITT and C. H. C. WRIGHT.

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*Third Year.*

Analytical and Applied Mechanics (Engineering 5*a*, *first half-year*). Professor HOLLIS and Mr. L. J. JOHNSON.

Resistance of Materials (Engineering 5*c*, *second half-year*). Professor HOLLIS.

Dynamo Electric Machinery. — Continuous Current (Engineering 16*c* and 16*d*). Messrs. ADAMS and SHAW.

Machinery and Boilers (Engineering 11*a*, *first half-year*). Mr. MARKS.

Steam Engine and Boilers. — Details (Engineering 11*b*, *second half-year*). Mr. MARKS.

Hydraulics (Engineering 6*a*, *second half-year*). Messrs. TURNER and HOPKINS.

Electrodynamics, Magnetism, and Electromagnetism (Physics 4). Professor TROWBRIDGE, Asst. Professor SABINE, and Mr. LECLEAR.

Thermodynamics (Physics 6[1], *first half-year*). Professor HALL.

*Fourth Year.*

Dynamo Electric Machinery. — Alternating Current (Engineering 16*e* and 16*f*). Messrs. ADAMS and SHAW.

Economics of Steam (Engineering 12*a*, *first half-year*). Mr. MARKS.

Hydraulic Motors (Engineering 6*b*, *first half-year*). Mr. TURNER.

Experimental Methods (Engineering 13*a*). Mr. MARKS.

Contracts and Specifications (Engineering 22). Mr. ——.

Economics of Machinery (Engineering 21). Professor HOLLIS.

Preparation of Thesis.

A general subject must be chosen for the fourth year in addition to the above courses, as required for the fourth year in Civil Engineering. See page 280 for the requirement and a list of appropriate subjects from which to select. [This does not apply to those who take a fifth year.]

ADVANCED COURSE IN ELECTRICAL ENGINEERING.

The following advanced course is provided for those students who wish to devote a fifth year to the study of the higher theories of electricity: —

*Third Year.*

Differential and Integral Calculus (second course) (Mathematics 5). Asst. Professor OSGOOD.

Taken in addition to courses already provided in the third year.

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*Fourth Year.*

Trigonometric Series. — Spherical Harmonics (Mathematics 10). Professors BYERLY and B. O. PEIRCE.

Taken in addition to courses already provided in the fourth year.

*Fifth Year.*

Mathematical Theory of Electrostatics and Electrokinematics (Physics 9). Professor B. O. PEIRCE.

Mathematical Theory of Electrodynamics and Electromagnetism (Physics 10). Professor HALL.

Practical Work and Thesis.

## Mechanical Engineering.

The student's attention is called to the shopwork, a large part of which may be taken by five weeks' Summer work at the end of the first and second years. Those who pass the entrance examination in German will be required to take one year of French and one year of German. Those who pass the entrance examination in French will be required to take two years of German.

Students who complete this course and pass the required examinations and present a satisfactory thesis will receive the degree of Bachelor of Science in Mechanical Engineering.

*First Year.*

Plane Trigonometry, Advanced Algebra, Plane Analytic Geometry (Engineering 1*a*). Messrs. LOVE and ASHTON.

Mechanical Drawing. — Descriptive Geometry (Engineering 3*a*). Messrs. MOSES, A. N. JOHNSON, and TILDEN.

Shopwork. — Use of Tools (Engineering 10*a*, —— *half-year*). Rindge School and Mr. BURKE.

Shopwork. — Blacksmithing (Engineering 10*b*, —— *half-year*). Rindge School and Mr. BURKE.

General Descriptive Chemistry (Chemistry 1). Professor JACKSON.

Rhetoric and English Composition (English *A*). Professors A. S. HILL and BRIGGS, and Messrs. HURLBUT, COPELAND, HART, COBB, FLANDRAU, and LA ROSE.

Elementary German (German *A*). Mr. NICHOLS, Dr. BIERWIRTH, and Messrs. W. G. HOWARD and WALZ.

Required of students who did not offer German at their examination for admission. Or

Advanced German (German 1*c*). Mr. W. G. HOWARD.

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*Second Year.*

Solid Analytic Geometry, Differential and Integral Calculus (Engineering 1*c*). Mr. LOVE.

Structural and Machine Drawing (Engineering 3*c*, *first half-year*). Mr. MOSES.

Mechanism (Engineering 3*d*, *second half-year*). Mr. MOSES.

Shopwork. — Pattern Making and Foundry (Engineering 10*c* and 10*d*, —— *half-year*). Rindge School and Mr. BURKE.

Shopwork. — Machine Tools (Engineering 10*e*, —— *half-year*). Rindge School and Mr. BURKE.

Metallurgy (Engineering 18*a*, *first half-year*). Mr. TORREY.

General Descriptive Physics (Physics 1). Professor HALL.

English Composition (English *BC*). Messrs. HURLBUT, HALL, and HART.

Advanced German (German 1*c*). Mr. W. G. HOWARD. Or

Elementary French (French *A*). Messrs. BABBITT and C. H. C. WRIGHT.

*Third Year.*

Analytical and Applied Mechanics (Engineering 5*a*, *first half-year*). Professor HOLLIS and Mr. L. J. JOHNSON.

Resistance of Materials (Engineering 5*c*, *second half-year*). Professor HOLLIS.

Machinery and Boilers (Engineering 11*a*, *first half-year*.) Mr. MARKS.

Steam Engines and Boilers — Details (Engineering 11*b*, *second half-year*). Mr. MARKS.

Hydraulics (Engineering 6*a*, *second half-year*). Messrs TURNER and HOPKINS.

Experimental Methods (Engineering 13*a*). Mr. MARKS.

Machine Design (Engineering 14*a*). Mr. MOSES.

Thermodynamics (Physics $6^1$, *first half-year*). Professor HALL.

*Fourth Year.*

Testing Machinery and Boilers (Engineering 13*b*). Mr. MARKS.

Machine Design (Engineering 14*b*). Professor HOLLIS.

Industrial Application of Electricity (Engineering 16*a*, *first half-year*). Mr. ADAMS.

Economics of Steam (Engineering 12*a*, *first half-year*). Mr. MARKS.

Hydraulic Motors (Engineering 6*b*, *first half-year*). Mr. TURNER.

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Heating and Ventilation (Engineering 12*c*, *second half-year*). Mr. BURKE.

Contracts and Specifications (Engineering 22). Mr. ——.

Economics of Machinery (Engineering 21). Professor HOLLIS.

Preparation of Thesis.

A general subject must be chosen for the fourth year in addition to the above courses as required for the fourth year in Civil Engineering. See page 280 for the requirement and a list of appropriate subjects from which to select.

## Mining Engineering.

The student's attention is called to the requirement of Summer work in the field at the end of the first, second, and third years. Those who pass the entrance examination in French will be required to take either German or Spanish for one year; while those who pass the entrance examination in German will be required to take one year of French or Spanish.

Students who complete this course and pass the required examination will receive the degree of Bachelor of Science in Mining Engineering.

### *First Year.*

Plane Trigonometry, Advanced Algebra, Plane Analytic Geometry (Engineering 1*a*). Messrs. LOVE and ASHTON.

Mechanical Drawing, Descriptive Geometry (Engineering 3*a*). Messrs. MOSES, A. N. JOHNSON, and TILDEN.

Land Surveying (Engineering 4*a*). Messrs. TURNER and HOPKINS.

*Experimental Physics (Physics *B*). Professor HALL and Mr. STARK.

General Descriptive Chemistry (Chemistry 1). Professor JACKSON.

Rhetoric and English Composition (English *A*). Professors A. S. HILL and BRIGGS, and Messrs. HURLBUT, COPELAND, HART, COBB, FLANDRAU, and LA ROSE.

Elementary German (German *A*). Mr. NICHOLS, Dr. BIERWIRTH, and Messrs. W. G. HOWARD and WALZ.

Required of students who did not offer German at their examination for admission. Or

Elementary French (French *A*). Messrs. BABBITT and C. H. C. WRIGHT.

Required of students who did not offer French at their examination for admission. Or

Elementary Spanish (Spanish 1). Asst. Professor MARSH and Mr. FLETCHER.

* Physics *B* may be omitted by those students who have passed in Experimental Physics for admission.

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*Second Year.*

Solid Analytic Geometry, Differential and Integral Calculus (Engineering 1*c*). Mr. LOVE.

Structural and Machine Drawing (Engineering 3*c*, *first half-year*). Mr. MOSES.

Mechanism (Engineering 3*d*, *second half-year*). Mr. MOSES.

Railroad Engineering (Engineering 4*d*, *second half-year*). Mr. TURNER.

Determinative Mineralogy (Mineralogy 2). Professor WOLFF and Mr. WHITTLE.

Qualitative Analysis (Chemistry 3). Professor H. B. HILL.

Lectures and Field Exercises in Geology (Geology 4). Professor SHALER, and Messrs. DALY and SCHRADER.

Stratigraphical Geology (Geology S 2).

Geological Surveying (Geology 11, *second half-year*). Asst. Professor SMYTH.

English Composition (English *BC*). Messrs. HURLBUT, HALL, and HART.

*Third Year.*

Analytical and Applied Mechanics (Engineering 5*a*, *first half-year*). Professor HOLLIS and Mr. L. J. JOHNSON.

Resistance of Materials (Engineering 5*c*, *second half-year*). Professor HOLLIS.

Metallurgy (Engineering ——).

Quantitative Analysis (Chemistry 4). Asst. Professor RICHARDS and Mr. H. G. PARKER.

Mining Geology (Geology 10). Asst. Professor SMYTH.

Petrography (Petrography 12). Professor WOLFF and Mr. WHITTLE.

Assaying. Mr. WHITTLE.

Geology S 3. Professor WOLFF.

*Fourth Year.*

Hydraulics (Engineering 6*a*, *second half-year*). Messrs. TURNER and HOPKINS.

Machinery and Boilers (Engineering 11*a*, *first half-year*). Mr. MARKS.

Mining (Engineering ——). Given in 1896–97.

Ore-dressing (Engineering ——).

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Industrial Applications of Electricity (Engineering 16*a*, *first half-year*). Mr. ADAMS.

Metallurgical Chemistry (Chemistry ——). Given in 1896–97.

Economical Geology (Geology 18). Professor WHITNEY.

Geological field work (Geology 22*b*). Professor SHALER.

Mining Law. Given in 1896–97.

## Department of Architecture.

The following schedule sets forth the studies required of those persons who are candidates for the degree of Bachelor of Science in Architecture. By anticipating any of these studies at the entrance examination or by passing in the equivalent courses in the Summer School, students gain time that can be usefully devoted to strictly professional work.

Students who complete this course and present a satisfactory thesis will receive the degree of Bachelor of Science in Architecture.

### *First Year.*

Technical and Historical Development of the Ancient Styles, with especial reference to Classic Architecture (Architecture 1*a*). Asst. Professor WARREN.

Architectural Drawing (Architecture 2*a*). Asst. Professor WARREN, Messrs. NEWTON and BEMIS.

Principles of Delineation (Fine Arts 1). Asst. Professor MOORE.

Plane Trignometry, Advanced Algebra, Plane Analytic Geometry (Engineering 1*a*). Messrs. LOVE and ASHTON.

Rhetoric and English Composition (English *A*). Professors A. S. HILL and BRIGGS and Messrs. HURLBUT, COPELAND, HART, COBB, FLANDRAU, and LA ROSE.

Elementary German (German *A*). Mr. NICHOLS, Dr. BIERWIRTH, and Messrs. W. G. HOWARD and WALZ.

Required of students who did not offer German at their examinations for admission. Or

Elementary French (French *A*). Messrs. BABBITT and C. H. C. WRIGHT.

Required of students who did not offer German at their examinations for admission.

### *Second Year.*

Freehand Drawing from Architectural Subjects (Architecture 3*a*). Asst. Professor WARREN and Mr. NEWTON.

Technical and Historical Development of the Mediaeval Styles of Architecture (Architecture 1*b*). Asst. Professor WARREN.

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Elementary Architectural Design (Architecture 4*a*). Asst. Professor WARREN and Mr. NEWTON.

Descriptive Geometry, Shades and Shadows, Perspective, Stereotomy (Architecture 2*b*). Mr. V. A. WRIGHT.

Analytical and Applied Mechanics (Engineering 5*a*, *first half-year*). Professor HOLLIS and Mr. L. J. JOHNSON.

Resistance of Materials (Engineering 5*c*, *second half-year*). Professor HOLLIS.

English Composition (English *BC*). Messrs. HURLBUT, HALL, and HART.

Advanced German (German 1*c*). Mr. W. G. HOWARD. Or

Advanced French (French 1*b*). Messrs. BABBITT and C. H. C. WRIGHT.

*Third Year.*

Freehand Drawing from Architectural Subjects (second course (Architecture 3*b*). Asst. Professor WARREN and Mr. NEWTON.

Technical and Historical Development of Renaissance and Modern Architecture (Architecture 1*c*). Asst. Professor WARREN.

Architectural Design (intermediate course) (Architecture 4*b*). Asst. Professor WARREN and Mr. NEWTON.

Masonry and Timber Structure (Engineering 8*a*, *second half-year*). Mr. L. J. JOHNSON.

Ancient and Mediaeval Art (Fine Arts 3). Professor NORTON and Asst. Professor MOORE.

Private Life of the Greeks as illustrated by Works of Art (Greek 10). Professor WHITE.

*Fourth Year.*

Freehand Drawing from Architectural Subjects (third course) (Architecture 3*c*). Asst. Professor WARREN and Mr. NEWTON.

Architectural Design (advanced course) (Architecture 4*c*). Asst. Professor WARREN and Mr. NEWTON.

Modelling. *Once a week for two and a half or three hours.*

Ancient and Mediaeval Art (Fine Arts 3). Professor NORTON and Asst. Professor MOORE.

Private Life of the Romans chiefly as illustrated by works of art (Latin 10). Professor GREENOUGH.

Geology and Mineralogy of building stones (*first half-year*). (Mineralogy). Professor WOLFF.

One Elective to be chosen with the consent of the department.

Thesis.

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## Department of Chemistry.

This course of study is intended for students preparing to become practical chemists or teachers of the science.

Candidates who propose to register in this department must offer at their examination for admission Experimental Physics and Chemistry.

Students who complete this course, pass the required examination and present a satisfactory thesis, will receive the degree of Bachelor of Science in Chemistry.

*First Year.*

General Descriptive Chemistry (Chemistry 1). Professor JACKSON.

Plane Trigonometry, Advanced Algebra, and Plane Analytic Geometry (Engineering 1*a*). Messrs. LOVE and ASHTON.

Mechanical Drawing, Descriptive Geometry (Engineering 3*a*). Messrs. MOSES, A. N. JOHNSON, and TILDEN.

Rhetoric and English Composition (English *A*). Professors A. S. HILL and BRIGGS, and Messrs. HURLBUT, COPELAND, HART, COBB, FLANDRAU, and LA ROSE.

Elementary German (German *A*). Mr. NICHOLS, Dr. BIERWIRTH, and Messrs. W. G. HOWARD and WALZ.

Required of students who did not offer German at their examination for admission. Or

Elementary French (French *A*). Messrs. BABBITT and C. H. C. WRIGHT.

Required of students who did not offer French at their examination for admission.

*Second Year.*

Qualitative Analysis (Chemistry 3). Professor H. B. HILL.

Quantitative Analysis (Chemistry 4). Asst. Professor RICHARDS and Mr. H. G. PARKER.

Determinative Mineralogy (Mineralogy 2). Professor WOLFF and Mr. WHITTLE.

Experimental Physics (Physics *C*). Asst. Professor SABINE and Mr. L. D. HILL. Or

General Descriptive Physics (Physics 1). Professor HALL.

English Composition (English *BC*). Messrs. HURLBUT, HALL, and HART.

Advanced French (French 1*b*). Messrs. BABBITT and C. H. C. WRIGHT.

*Third Year.*

Advanced Quantitative Analysis (Chemistry $9^1$, *first half-year*). Asst. Professor RICHARDS.

Gas Analysis (Chemistry $10^2$, *second half-year*). Asst. Professor RICHARDS.

The Carbon Compounds (Chemistry 5). Professor H. B. HILL.

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Chemical Philosophy (Chemistry 8). Asst. Professor RICHARDS.

Elementary Botany (Botany $1^2$, *second half-year*). Professor GOODALE.

Elementary Zoölogy (Zoölogy $1^1$, *first half-year*). Dr. DAVENPORT.

Advanced German (German 1*c*). Mr. W. G. HOWARD.

*Fourth Year.*

Advanced Problems in Inorganic Chemistry (Chemistry 6). Asst. Professor RICHARDS.

Advanced study and research with preparation of a thesis (Chemistry 20).

## Department of Geology.

The studies in this department are designed to furnish a special training for those who wish to prepare themselves for duty in Government Geological Surveys or for teaching. The studies may, on special application to the Administrative Board of the School, be varied to meet the wants of individual students beyond the limits indicated in the programme. Those who make a good use of the opportunities afforded by the Summer Schools, held under the direction of the professors in the department, may shorten the course of study to three years. All students are required to take one of the advanced courses in Geology during one of their summer vacations. Students who design entering the School in the autumn of any year are advised to take the summer course in Elementary Geology, which is regarded as the equivalent of Geology 4.

Students who complete the above course and pass the required examinations will receive the degree of Bachelor of Science in Geology.

*First Year.*

Lectures and Field Exercises in Geology (Geology 4). Professor SHALER and Messrs. DALY and SCHRADER.

Physical Geography (Geology $2^1$, *first half-year*). Professor DAVIS and Mr. GRISWOLD.

Meteorology (Geology $1^2$, *second half-year*). Mr. WARD.

General Descriptive Physics (Physics 1). Professor HALL.

Rhetoric and English Composition (English *A*). Professors A. S. HILL and BRIGGS, and Messrs. HURLBUT, COPELAND, HART, COBB, FLANDRAU, and LA ROSE.

Elementary German (German *A*). Mr. NICHOLS, Dr. BIERWIRTH, and Messrs. W. G. HOWARD and WALZ.

Required of students who did not offer German at their examination for admission. Or

Elementary French (French *A*). Messrs. BABBITT and C. H. C. WRIGHT.

Required of students who did not offer French at their examination for admission.

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*Second Year.*

Determinative Mineralogy (Mineralogy 2). Professor WOLFF and Mr. WHITTLE.

General Critical Geology (Geology 8). Mr. J. B. WOODWORTH.

Elementary Zoölogy (Zoölogy 1[1], *first half-year*). Dr. DAVENPORT.

Elementary Botany (Botany 1[2], *second half-year*). Professor GOODALE.

General Descriptive Chemistry (Chemistry 1). Professor JACKSON.

English Composition (English *BC*). Messrs. HURLBUT, HALL, and HART.

Advanced German (German 1*c*). Mr. W. G. HOWARD.

*Third Year.*

Advanced Geological field work (Geology 22*a*). Mr. JAGGAR, in coöperation with Professors SHALER, DAVIS, and WOLFF.

Palaeontology (Geology 14). Professor SHALER and Dr. R. T. JACKSON.

Mining Geology (Geology 10). Asst. Professor SMYTH.

Geological Surveying (Geology 11, *second half-year*). Asst. Professor SMYTH.

Petrography (Petrography 20*b*). Professor WOLFF and Mr. WHITTLE.

Mechanical Drawing, Descriptive Geometry (Engineering 3*a*). Messrs. MOSES, A. N. JOHNSON, and TILDEN.

Land Surveying, (Engineering 4*a*). Messrs. TURNER and HOPKINS.

Forensics. — Lectures on Argumentative Composition (English *C*). Asst. Professor BAKER, and Messrs. HALL, DAMON, and PRESCOTT.

*Fourth Year.*

Historical Geology (Geology 15). Professor SHALER and Dr. R. T. JACKSON.

Mineral Veins and Metalliferous Deposits (Geology 25). Professor WHITNEY.

And *one* of the following courses: —

Glacial Geology (Geology 16). Mr. J. B. WOODWORTH.

Geological field work (Geology 22*b*). Professor SHALER and other instructors in the department.

Physical Geography (third course) (Geology 20). Professor DAVIS.

Petrographical Research (Petrography 20*b*). Professor WOLFF.

Pre-Cambrian Geology of North America (Geology 27, *second half-year*). Asst. Professor SMYTH.

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A thesis embodying the results of field and laboratory work.

Professors SHALER, DAVIS, and WOLFF, Asst. Professor SMYTH, and Messrs. GRISWOLD and WOODWORTH, will oversee and direct the work, in the field or library, of advanced special students in Geology.

### Department of Botany and Zoölogy.

Students who complete this course and pass the required examinations and present a satisfactory thesis will receive the degree of Bachelor of Science in Botany and Zoölogy.

*First Year.*

Elementary Zoölogy (Zoölogy $1^1$, *first half-year*). Dr. DAVENPORT.

Morphology of Animals (Zoölogy $2^2$, *second half-year*). Dr. G. H. PARKER.

Elementary Botany (Botany $1^2$, *second half-year*). Professor GOODALE.

Morphology of Plants (Botany $2^2$, *first half-year*). Asst. Professor THAXTER.

Lectures and Field Exercises in Geology (Geology 4). Professor SHALER and Messrs. DALY and SCHRADER.

Experimental Physics (Physics *C*). Asst. Professor SABINE and Mr. L. D. HILL. Or

General Descriptive Physics (Physics 1). Professor HALL.

Rhetoric and English Composition (English *A*). Professors A. S. HILL and BRIGGS, and Messrs. HURLBUT, COPELAND, HART, COBB, FLANDRAU, and LA ROSE.

Elementary German (German *A* or *B*). Mr. NICHOLS, Dr. BIERWIRTH, and Messrs. W. G. HOWARD and WALZ, or Dr. POLL.

Required of students who did not offer German at their examination for admission. Or

Elementary French (French *A*). Messrs. BABBITT and C. H. C. WRIGHT.

Required of students who did not offer French at their examination for admission.

*Second Year.*

Botany (second course) (Botany 3). Professor GOODALE.

Comparative Anatomy of Vertebrates (Zoölogy 3). Dr. G. H. PARKER.

Physical Geography (Geology $2^1$, *first half-year*). Professor DAVIS and Mr. GRISWOLD.

Meteorology (Geology $1^2$, *second half-year*). Mr. WARD.

General Descriptive Chemistry (Chemistry 1). Professor JACKSON.

English Composition (English *BC*). Messrs. HURLBUT, HALL and HART.

Advanced German (German 1*c*). Mr. W. G. HOWARD.

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*Third Year.*

Cryptogamic Botany (Botany $4^2$, *second half-year*). Professor FARLOW and Asst. Professor THAXTER.

Microscopical Anatomy (Zoölogy $4^1$, *first half-years*). Professor MARK and Dr. W. McM. WOODWORTH.

Embryology of Vertebrates (Zoölogy $5^2$, *second half-year*). Professor MARK.

This course is required of those who propose research in Zoölogy in the fourth year.

Qualitative Analysis (Chemistry 3) Professor H. B. HILL.

General Introduction to Philosophy (Philosophy 1). Professors ROYCE and JAMES, and Dr. SANTAYANA.

Advanced French (French 1*b*). Messrs. BABBITT and C. H. C. WRIGHT.

*Fourth Year.*

In the fourth year the student is required to pursue some original investigation under the direction of one of the Instructors in the Department. During the first week of the year he must arrange with his special Instructor the plan of study which he proposes. At the end of the year he must present a thesis, giving the results of his studies.

The courses in which research can be conducted are the following: —

Structure and Development of Phanerogams (Botany 20*a*). Professor GOODALE.

Structure and Development of Cryptogams (Botany 20*b*). Professor FARLOW and Asst. Professor THAXTER.

Anatomy and Development of Vertebrates and Invertebrates (Zoölogy 20*a*). Professor MARK.

Comparative Osteology (Zoölogy 20*c*). Dr. SLADE.

## Department of General Science.

This department is intended for those who wish to lay a broad foundation for subsequent special work in science. It prescribes elementary courses in Mathematics, Physics, Chemistry, Geology, Botany, and Zoölogy, and also affords the opportunity for more advanced work in one of these departments. At the beginning of the third year the student must select the department to which he wishes to give special attention, and the courses which he elects in the third and fourth years must have the approval of that department.

Students who complete this course and pass the required examinations will receive the degree of Bachelor of Science.

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*First Year.*

Plane Trigonometry, Advanced Algebra, Plane Analytic Geometry (Engineering 1*a*). Messrs. LOVE and ASHTON.

Principles of Delineation (Fine Arts 1). Asst. Professor MOORE. Or

Mechanical Drawing.— Descriptive Geometry (Engineering 3*a*). Messrs. MOSES, A. N. JOHNSON, and TILDEN.

General Descriptive Chemistry (Chemistry 1). Professor JACKSON.

Rhetoric and English Composition (English *A*). Professors A. S. HILL and BRIGGS and Messrs. HURLBUT, COPELAND, HART, COBB, FLANDRAU, and LA ROSE.

Elementary German (German *A*). Mr. NICHOLS, Dr. BIERWIRTH, and Messrs. W. G. HOWARD and WALZ.

Required of students who did not offer German at their examination for admission. Or

Elementary French (French *A*). Messrs. BABBITT and C. H. C. WRIGHT.

Required of students who did not offer French at their examination for admission.

*Second Year.*

Solid Analytic Geometry, Differential and Integral Calculus (Engineering 1*c*). Mr. LOVE.

Experimental Physics (Physics *C*). Asst. Professor SABINE and Mr. L. D. HILL. Or

General Descriptive Physics (Physics 1). Professor HALL.

Lectures and Field Exercises in Geology (Geology 4). Professor SHALER and Messrs. DALY and SCHRADER.

English Composition (English *BC*). Messrs. HURLBUT, HALL, and HART.

Advanced German (German 1*c*). Mr. W. G. HOWARD.

*Third Year.*

Qualitative Analysis (Chemistry 3). Professor H. B. HILL.

Elementary Zoölogy (Zoölogy $1^1$, *first half-year*). Dr. DAVENPORT.

Elementary Botany (Botany $1^2$, *second half-year*). Professor GOODALE.

Advanced French (French 1*b*). Messrs. BABBITT and C. H. C. WRIGHT.

*Military Science. Lieutenant ROBINSON.

Also two other courses chosen by the student with the approval of the department selected.

*Fourth Year.*

In the fourth year the student will pursue a course of study which meets the approval of the department which he has already selected.

* The course in Military Science may be taken as an elective in the third or fourth year.

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## Department of Science for Teachers.

This department is intended for those who wish to qualify themselves to teach science in secondary schools, and for those who wish to become departmental teachers of science in the elementary schools. It prescribes courses in Mathematics, Physics, Chemistry, Botany, Zoölogy, Geology and Physical Geography, Psychology, the General Principles of Education, the History of Education, the Organization and Management of Schools and Classes, and Methods of teaching Science in Elementary and Secondary Schools, and offers a voluntary summer course in Physical Training. It also affords the student an opportunity, through certain options, to specialize as he proceeds through the course. Candidates for this department are required to present both Experimental Physics and Chemistry, in the admission examination, and are strongly advised to offer both French and German.

Students who complete this course and pass the required examinations will receive the degree of Bachelor of Science in Science for Teachers.

*First Year.*

Plane Trignometry, Advanced Algebra, and Plane Analytic Geometry (Engineering 1*a*). Messrs. LOVE and ASHTON.

General Descriptive Chemistry (Chemistry 1). Professor JACKSON.

Logic and Psychology (Philosophy 1). Professors ROYCE and JAMES and Dr. SANTAYANA.

Rhetoric and English Composition (English *A*). Professors A. S. HILL and BRIGGS and Messrs. HURLBUT, COPELAND, HART, COBB, FLANDRAU, and LA ROSE.

Elementary German (German *A*). Mr. NICHOLS, Dr. BIERWIRTH, and Messrs. W. G. HOWARD and WALZ.

Required of students who did not offer German at their examination for admission. Or

Elementary French (French *A*). Messrs. BABBITT and C. H. C. WRIGHT.

Required of students who did not offer French at their examination for admission.

Students who offered both French and German at their examinations for admission must take French 1*b* or German 1*c*.

Gymnastics and Athletics (voluntary).

*Second Year.*

Introduction to Educational Theory (Philosophy 18). Asst. Professor HANUS.

Experimental Physics (Physics *C*). Asst. Professor SABINE and Mr. L. D. HILL.

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Elementary Zoölogy (Zoölogy $1^1$, *first half-year*). Dr. DAVENPORT.

Elementary Botany (Botany $1^2$, *second half-year*). Professor GOODALE.

Lectures and Field Exercises in Geology (Geology 4). Professor SHALER and Messrs. DALY and SCHRADER.

Geological field-work. — Summer course (voluntary) (Geology S 2).

English Composition (English *B*). Asst. Professor WENDELL and Messrs. ABBOTT, HALL, and DAMON. Or

English Composition (English 22). Messrs. GATES, GARDINER, ABBOTT, DUFFIELD, and GREENE.

Advanced French (French 1*b*). Messrs. BABBITT and C. H. C. WRIGHT. Or

Advanced German (German 1*c*). Mr. W. G. HOWARD.

Gymnastics and Athletics (voluntary).

*Third Year.*

History of Educational Theories and Practices (Philosophy 16). Asst. Professor HANUS.

Psychology (Philosophy 2). Professor JAMES.

Qualitative Analysis (Chemistry 3). Professor H. B. HILL.

Determinative Mineralogy (Mineralogy 2). Professor WOLFF and Mr. WHITTLE. Or

Quantitative Analysis (Chemistry 4). Asst. Professor RICHARDS, and Mr. H. G. PARKER.

General Descriptive Physics (Physics 1). Professor HALL.

Morphology of Plants (Botany $2^1$, *first half-year*). Asst. Professor THAXTER. And

Morphology of Animals (Zoölogy $2^2$, *second half-year*). Dr. G. H. PARKER. Or

Physical Geography (Geology $2^1$, *first half-year*). Professor DAVIS and Mr. GRISWOLD. And

Meteorology (Geology $1^2$, *second half-year*). Mr. WARD. Or

Forensics — Lectures on Argumentative Composition (English *C*). Asst. Professor BAKER, and Messrs. HALL, DAMON, and PRESCOTT.

Gymnastics and Athletics (voluntary).

Summer Course in Physical Training (voluntary).

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*Fourth Year.*

Organization and Management of Schools (Philosophy 17.) Asst. Professor HANUS.

Graduates and other students who are properly qualified may take the Pedagogical Seminary (Philosophy 20*f*) instead of Philosophy 17. The Seminary is open only to the most advanced students.

Methods of Teaching in Elementary and Secondary Schools (Philosophy 19). Asst. Professor HANUS and others.

Elementary Physiology and Hygiene (Hygiene $1^2$, *second half-year*). Asst. Professor G. W. FITZ.

And three courses chosen from the following and from the electives of the third year, which were not taken in that year.

Botany (second course) (Botany 3). Professor GOODALE.

Comparative Anatomy of Vertebrates (Zoölogy 3). Dr. G. H. PARKER.

Physical Geography (third course) (Geology 20). Professor DAVIS.

Advanced Geological field-work (Geology 22*a*). Mr. JAGGAR, in coöperation with Professors SHALER, DAVIS, and WOLFF.

Geological field-work — Summer course (Geology S 2). Or

Mechanical Drawing, Descriptive Geometry (Engineering 3*a*). Messrs. MOSES, A. N. JOHNSON, and Mr. TILDEN.

Differential and Integral Calculus (Mathematics 2). Professor BYERLY.

Analytic Geometry (Mathematics *C*). Mr. HUNTINGTON.

**Department of Anatomy, Physiology, and Physical Training.**

The aims are as follows: —

1. To prepare persons who, with or without a subsequent training in Medicine, may intend to seek employment as directors of gymnasiums or instructors in physical training.

2. To educate youths who may need to take particular care of their bodily health, and therefore should have a knowledge of the subjects taught in the course as well as a systematic training in the use of their bodies.

3. To afford in the first two years a suitable general training for young men who may desire afterwards to pursue the study of Medicine, and who cannot take the full four years course. The course of these two years has been approved by the Medical Faculty. Students completing this course (four years) will be able to enter the second class at the Medical School and graduate in three years.

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The work in the Gymnasium is intended to give a systematic and thorough training of the body, and at the same time a familiarity with the drill in the exercises needed for teaching. Associated with this is the study of human anatomy analytically and synthetically leading to a comprehension of the body as a working machine, and the inter-relation of its parts. The students are taught to measure individuals and to classify them into types. Corrective exercises are studied and applied.

A laboratory has been organized for experimental study of the physiology of exercise.

Students who complete this course of study and pass the required examinations will receive the degree of Bachelor of Science in Anatomy, Physiology, and Physical Training.

*First Year.*

*Experimental Physics (Physics *B*). Professor HALL and Mr. STARK.

Elementary Zoölogy (Zoölogy $1^1$, *first half-year*). Dr. DAVENPORT.

Morphology of Animals (Zoölogy $2^2$, *second half-year*). Dr. G. H. PARKER.

Morphology of Plants (Botany $2^1$, *first half-year*). Asst. Professor THAXTER.

Elementary Physiology and Hygiene (Hygiene $1^2$, *second half-year*). Asst. Professor G. W. FITZ.

General Descriptive Chemistry (Chemistry 1). Professor JACKSON.

Rhetoric and English Composition (English *A*). Professors A. S. HILL and BRIGGS, and Messrs. HURLBUT, COPELAND, HART, COBB, FLANDRAU, and LA ROSE.

Elementary German (German *A*). Mr. NICHOLS, Dr. BIERWIRTH, and Messrs. W. G. HOWARD and WALZ.

Required of students who did not offer German at their examination for admission. Or

Elementary French (French *A*). Messrs. BABBITT and C. H. C. WRIGHT.

Required of students who did not offer French at their examination for admission.

Gymnastics and Athletics. Dr. SARGENT and Mr. LATHROP.

*Second Year.*

Comparative Anatomy of Vertebrates (Zoölogy 3). Dr. G. H. PARKER.

Lectures and Field Exercises in Geology (Geology 4). Professor SHALER and Messrs. DALY and SCHRADER. Or

Physical Geography (Geology $2^1$, *first half-year*). Professor DAVIS and Mr. GRISWOLD.

*Physics *B* may be omitted by those students who have passed in Experimental Physics for admission.

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Meteorology (Geology $1^2$, *second half-year*). Mr. WARD.

Experimental Physics (Physics *C*). Asst. Prof. SABINE and Mr. L. D. HILL. Or

General Descriptive Physics (Physics 1). Professor HALL.

Qualitative Analysis (Chemistry 3). Professor H. B. HILL.

English Composition (English *BC*). Messrs. HURLBUT, HALL, and HART.

Gymnastics and Athletics. Dr. SARGENT and Mr. LATHROP.

*Third Year.*

(AT THE MEDICAL SCHOOL).

General Anatomy and Dissection. Professor DWIGHT, and Drs. DEXTER, CONANT, and MUNRO.

General Physiology. Professors BOWDITCH and PORTER.

Histology. Professor C. S. MINOT and Dr. QUINCY.

Hygiene. Drs. HARRINGTON and DURGIN.

Foods and Cooking. Boston Cooking School.

Medical Chemistry. Professor HILLS, and Drs. WORCESTER and WENTWORTH.

Auscultation and Percussion. Drs. GARLAND, GANNETT, and WITHINGTON.

Gymnastics and Athletics. Dr. SARGENT and Mr. LATHROP.

*Fourth Year.*

Psychology (Philosophy 2). Professor JAMES.

Anthropometry (Hygiene $4^4$, *first half-year*). Dr. SARGENT.

Applied Anatomy and Animal Mechanics (Hygiene $5^5$, *second half-year*). Dr. SARGENT.

Physiology of Exercise (Experimental Physiology) (Hygiene 3). Asst. Professor G. W. FITZ.

Remedial Exercises (Hygiene $6^2$, *second half-year*). Asst. Professor G. W. FITZ.

History of Physical Education (Hygiene $2^1$, *first half-year*). Dr. SARGENT and Asst. Professor G. W. FITZ.

Forensics — Lectures on Argumentative Composition (English *C*). Asst. Professor BAKER, and Messrs. HALL, DAMON, and PRESCOTT.

Gymnastics and Athletics. Dr. SARGENT and Mr. LATHROP.

Practical exercises in general gymnastics and athletics will be given during the four years under the direction of Dr. SARGENT, Mr. LATHROP, and other special instructors. Opportunities will also be afforded for teaching physical exercises, as soon as the pupils are prepared to give instruction.

Students in this department are also required to attend a summer course of five weeks in which they will receive instruction intended to supplement the courses required to be followed during term-time. Students are advised to offer for admission the Experimental Physics in place of the text-book alternative.

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## REDUCTION OF THE COURSE TO THREE YEARS.

If a student has anticipated studies amounting to a substantial portion of the work of the first year, and desires to fulfil the requirements for the degree in three years, he may apply to the Administrative Board for leave so to do, specifying in his application the manner in which he proposes to arrange his studies for that purpose. The Administrative Board will decide on such applications according to the circumstances in each case.

## INSTRUCTION IN OTHER DEPARTMENTS OF THE UNIVERSITY.

All students of the Scientific School may, if found competent, pursue any of the courses of instruction given in the other departments of the University, except exercises carried on in the special laboratories, without additional charge, but this provision does not apply to Special Students unless they pay the full tuition fee of $150.

## DEGREES.

THE DEGREE OF BACHELOR OF SCIENCE. — The degree of BACHELOR OF SCIENCE will be conferred upon any student who has fulfilled the requirements in any of the departments of study as laid down in the schedule. The grades of the degree with distinction of Bachelor of Science are *cum laude*, *magna cum laude*, and *summa cum laude*.

The grade of the degree and the course of study for which the degree is given will be specified in the Diploma.

The requisitions for the degree of DOCTOR OF SCIENCE, are stated on p. 334.

## HONORS.

Students in the Scientific School may be candidates for Honors at graduation on the same terms as students in Harvard College. See p. 226.

## SCHOLARSHIPS.

Sixteen University Scholarships, of the annual value of one hundred and fifty dollars each, have been established in the Scientific School. Eight of these scholarships are assigned at the beginning of each academic year to meritorious students standing in need of such assistance, who have been in the School the whole of the preceding year, and propose to remain in it the whole of the ensuing year; and eight are available for students at the time of their entrance.

There are also scholarships in the Scientific School, not exceeding eight at any one time, of the annual value of one hundred and fifty dollars each, for the benefit of graduates of reputable Normal Schools in the United States. The incumbents are originally appointed for one year on the

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recommendation of the principals of the schools from which they have been severally graduated; these appointments may be annually renewed.

The award is made by the Corporation on the recommendation of the Administrative Board. One third of the annual value of the Scholarships is paid at on January 12, one-third on April 12, and one-third immediately after the issue of the June term-bill. Applications for these scholarships must be addressed, in writing, to the Dean, by the 1st of July.

## FELLOWSHIPS.

Graduates of the Scientific School may be appointed to the Parker Fellowships, the John Thornton Kirkland Fellowship, the Morgan Fellowships, and the John Tyndall Scholarship.

Students in the Scientific School may also be appointed to the Kirkland Fellowship and Tyndall Scholarship, and, if graduates of Harvard College, to any of the above Fellowships or to the Harris Fellowship. For full information, see p. 338.

## PRIZES.

Students in the Lawrence Scientific School may compete for the Bowdoin Prizes, for full information in regard to which see p. 147.

## FEES, EXPENSES, AND BONDS.

The tuition fee for the academic year in any of the above departments or courses is $150.

The tuition fees for candidates for the degree of Doctor of Science are stated on p. 348.

The other expenses of a student for an academic year, clothing and washing not being included, may be estimated as follows: —

| | |
|---|---|
| Room | $30 to $100 |
| Board for thirty-eight weeks | 114 to 304 |
| Books | 20 to 25 |
| Fuel and lights | 15 to 35 |
| Total | $179 to $464 |

The tuition fee for a student taking a partial course is the same as in Harvard College (see p. 250).

Students in the Scientific School may join the Harvard Dining Association, and board at cost at Memorial Hall, or they may enter the Foxcroft Club where they may obtain food *a la carte* at cost. They may obtain rooms in the College buildings by applying to the Bursar, either by mail or in person; but all students living in College rooms are subject to the regulations of the Parietal Committee, in the same manner as undergraduates of Harvard College (see p. 251).

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For certain laboratory courses additional fees are required for materials, reagents, and the use and breakage of apparatus. Students in laboratory courses are usually supplied with all needed apparatus, but are required to restore it in as good condition as when received.

Students in Engineering and Architecture provide their own drawing materials.

The Hemenway Gymnasium, the Scientific School Library, and the College Library are open to members of this School without extra charge

The term-bills are issued December 22, March 22, and one week before Commencement, and are to be paid respectively on or before January 12, April 12, and October 10; but the third bills of candidates for degrees must be paid at least one day before Commencement. When a student severs his connection with the School his whole bill becomes payable at once.

A student who joins the Lawrence Scientific School after the beginning of the academic year will be charged for instruction from the beginning of the third in which he joins. One who leaves during the year will be charged for instruction only to the end of the third in which he leaves, if before that time he gives written notice of his withdrawal to the Dean; otherwise he will be charged for instruction to the end of the third in which such written notice is given. The first third begins at the beginning of the academic year and ends December 31. The second third begins January 1 and ends March 31. The last third begins April 1 and ends at Commencement.

## BONDS.

Every student must file a bond with the Bursar in the sum of $200, signed by two bondsmen, one of whom must be a citizen of the United States, as security for the payment of dues to the University; or he may deposit with the Bursar $200 in money or in United States bonds for the same purpose; or he may deposit $50 as security, and pay his tuition-fees in advance as follows: one third on or before October 1, one third on or before January 1, and one third on or before April 1.

Every student who takes a College room or boards at Memorial Hall or at the Foxcroft Club must file a bond for $400 or make a deposit of $400, *or*, in addition to the requirements of the preceding paragraph, he may, if he occupies a College room, pay the full year's rent in advance, and, if he boards at Memorial Hall or at the Foxcroft Club, he may make a deposit as security for the payment of his board at the rate of $5 a week. Interest is not allowed on deposits.

No officer or student of the University will be accepted as bondsman.

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For further information address Mr. MONTAGUE CHAMBERLAIN, Secretary of the Lawrence Scientific School, Cambridge, Mass.

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# THE GRADUATE SCHOOL.

## ADMINISTRATIVE BOARD.

JOHN H. WRIGHT, A.M., *Dean*, and *Professor of Greek.*
CLEMENT L. SMITH, LL.D., *Professor of Latin.*
WILLIAM G. FARLOW, A.M., M.D., *Professor of Cryptogamic Botany.*
CHARLES L. JACKSON, A.M., *Erving Professor of Chemistry.*
EDWARD L. MARK, PH.D., *Hersey Professor of Anatomy.*
BENJAMIN O. PEIRCE, PH.D., *Hollis Professor of Mathematics and Natural Philosophy.*
HANS C. G. VON JAGEMANN, PH.D., *Assistant Professor of Germanic Philology.*
EDWARD CHANNING, PH.D., *Assistant Professor of History.*
WILLIAM J. ASHLEY, A.M., *Professor of Economic History.*
GEORGE L. KITTREDGE, A.B., *Professor of English.*

## RESIDENT STUDENTS IN 1895-96.

**Each student is referred, in the following list, to the department or field of study in which his work mainly lies.**

NAME. HOME RESIDENCE. PRESENT ADDRESS.

**Abbott, Herbert Vaughan,** *Brooklyn, N. Y.* P. 77.
A.B. (*Amherst Coll.*) 1885. Asst. Principal, 1887-88, Beloit High School, Wis. Assistant in English. II. *yr.* English.

Alden, Raymond Macdonald, *Washington, D. C.* 10 Mellen St.
A.B. (*Univ. of Pennsylvania*) 1894. Instructor, 1894-95, Columbian Univ., Washington, D. C. I. *yr.* English.

Allison, Thomas, *Irvine, Scotland,* 2 Leonard Ave.
A.B. (*Univ. of Oxford, England*) 1893. II. *yr.* University Scholar. Economics.

Ames, Winthrop, *North Easton,* 68 Mt. Auburn St.
A.B. 1895. I. *yr.* English.

Andrew, Abram Piatt, Jr. *La Porte, Ind.* Winthrop 24.
A.B. (*Coll. of New Jersey*) 1893, A.M. (*Harvard Univ.*) 1895. III. *yr.* Henry Bromfield Rogers Memorial Fellow. History and Political Science.

Andrews, Harry Edwin, *Kennebunk, Me.* 12 Oxford St.
A.B. (*Bowdoin Coll., Me.*) 1894, A.B. (*Harvard Univ.*) 1895. II. *yr.* English.

Atherton, Frederic William, *Boston,* Felton Building 10.
A.B. 1886. I. *yr.* Fine Arts.

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Atkinson, Edward Ernest, *Cambridge*, Lawrence 1.
A.B. (*Brown Univ., R. I.*) 1879, A.M. (*Ibid.*) 1882, A.M. (*Harvard Univ.*) 1886, D.B. (*Ibid.*) 1887, D.B. (*Episcopal Theol. School, Cambridge*) 1888. Instructor, 1893–95, Belmont School, Belmont. V. *yr.* Semitic Studies.

Babcock, Kendric Charles, *Cambridge*, S. 19.
L.B. (*Univ. of Minnesota*) 1889, A. M. (*Harvard Univ.*) 1895. Instructor, 1890–94, in History and Old English, University of Minnesota. II. *yr.* Ozias Goodwin Memorial Fellow. History and Political Science.

Barrett, Don Carlos, *Spring Valley, O.* S. 14.
Ph.B. (*Earlham Coll., Richmond, Ind.*) 1889, A.M. (*Ibid.*) 1893. Instructor, 1892–93, in History and Economics, Earlham College. I. *yr.* Economics and Government.

Beers, Jesse Leander, *Plattsville, Conn.* 12 Kirkland Pl.
A.B. (*Wesleyan Univ., Conn.*) 1890. Teacher, 1894–95, Centenary Collegiate Institute, N. J. I. *yr.* Classical Philology.

Benedict, Harry Yandell, *Graham, Tex.* D. 18.
S. B. (*Univ. of Texas*) 1892, A.M. (*Ibid.*) 1893. Assistant, 1893–95, in Observatory, University of Virginia. I. *yr.* Mathematics.

Benshimol, Max, *Dorchester*, 107 Inman St.
A.B. 1895. I. *yr.* University Scholar. Classical Philology.

Benson, Albert Emerson, *Cambridge*, C't 17.
A.B. 1892, A.M. 1895. Instructor, 1892–94, St. Mark's School, Southborough. Proctor. II. *yr.* Modern Philology and English.

Bill, Clarence Powers, *Cleveland, O.* 49 Oxford St.
A.B. (*Adelbert Coll. of Western Reserve Univ., O.*) 1894, A.M. (*Western Reserve Univ., O.*) 1895. I. *yr.* University Scholar. Classical Philology.

Billings, Asa White Kenney, *Omaha, Neb.* P. 47.
A.B. 1895. I. *yr.* Thayer Scholar. Mathematical Physics.

Blankinship, Joseph William, *Willard, Mo.* 28 Mt. Auburn St.
A.B. (*Drury Coll., Mo.*) 1889, A.B. (*Harvard Univ.*) 1894. Professor of Science, 1892–93, Hesperian College, Woodland, Cal. Assistant in Botany. II. *yr.* Botany.

Bouton, Charles Leonard, *St. Louis, Mo.* 94 Hammond St.
S.M. (*Washington Univ., Mo.*) 1891. Instructor, 1893–94, Washington University, St. Louis, Mo. II. *yr.* Morgan Fellow. Mathematics.

Bowles, Ralph Hartt, *Cherryfield, Me.* C. 31.
A.B. 1893. I. *yr.* English.

Boynton, John Henry, *Woodstock, Vt.*, S. 21.
A.B. 1890, A.M. 1894. Assistant, 1894–95, in English. Proctor. III. *yr.* Thayer Scholar. Modern Philology.

Brooks, Alfred Mansfield, *Gloucester*, 54 Garden St.
A.B. 1894. I. *yr.* Fine Arts and Architecture.

Brooks, Neil Conwell, *Kansas City, Mo.* 10 Mellen St.
A.B. (*Univ. of Kansas*) 1890. Principal, 1893–95, Paola High School, Kans. I. *yr.* Germanic Philology.

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Browder, Jonathan Bailey, *Nashville, Tenn.* 1697 Cambridge St.
A.B. (*Vanderbilt Univ., Tenn.*) 1892, A.M. (*Ibid.*) 1893, A.M. (*Harvard Univ.*) 1895. Assistant, 1893–94, in Greek, Vanderbilt University, Tenn. II. *yr.* Shattuck Scholar. Classical Philology and Sanskrit.

Brown, Arthur Charles Lewis, *Cambridge,* 29 Everett St.
A.B. (*Hobart Coll., N. Y.*) 1893, A.B. (*Harvard Univ.*) 1894, A.M. (*Ibid.*) 1895. II. *yr.* University Scholar. English and Romance Philology.

Brown, Carroll Neidé, *Boston,* 65 Oxford St.
A.B. 1891, A.M. 1891. Acting Professor of Greek, 1892–93, University of Vermont. Assistant in Classics. IV. *yr.* Classical Philology.

Brown, Harrison Hitchcock, *Palmer,* D. 36.
A.B. (*Amherst Coll.*) 1889, A.M. (*Harvard Univ.*) 1895. Instructor, 1890–94, Riverview Academy, Poughkeepsie, N. Y. II. *yr.* Mathematics and Physics.

Buck, William Bradford, *Kalamazoo, Mich.* 10 Church St.
A.B. (*Albion Coll., Mich.*) 1895. I. *yr.* University Scholar. History and Sociology.

Burrage, William Sargent, *Cambridge,* 10 Fayette St.
A.B. 1892, A.M. 1895. Instructor, 1892–94, Adams Academy, Quincy. II. *yr.* Classical Philology.

Cabell, Sears Wilson, *College Corner, O.* 91 Austin St.
A.B. (*Miami Univ., O.*) 1895. I. *yr.* Classical Philology.

Calhane, Daniel Francis, *Haverhill,* 58 Moore St.,
A.B. 1894. Instructor, 1894–95, St. John's Military School, Manlius, N. Y. I. *yr.* Modern Languages, Chemistry. [Haverhill.

Callender, Guy Stevens, *Harts Grove, O.* S. 19.
A.B. (*Oberlin Coll., O.*) 1891, A.B. (*Harvard Univ.*) 1893, A.M. (*Ibid.*) 1894. Instructor in Economics, Wellesley College. IV. *yr.* Economics.

Campbell, Donald Frank, *East River, N. S.* 1588 Cambridge St.
A.B. (*Dalhousie Univ., N. S.*) 1890, A.B. (*Harvard Univ.*) 1894, A.M. (*Ibid.*) 1895. Principal, 1891–93, Parrsboro' High School, N. S. II. *yr.* Shattuck Scholar. Mathematics.

Chamberlain, James Leon, *Springfield,* 84 Wendell St.
A.B. (*Amherst Coll.*) 1889. Teacher, 1892–95, Hamilton School, W. Philadelphia, Pa. I. *yr.* Classical Philology, Education and Teaching.

Chamberlin, Henry Harmon, *Worcester,* Ware 42.
A.B. 1895. I. *yr.* English and Italian.

Chase, Allen McCleeryParker, *Cambridge,* 19 Lancaster St.
A.B. 1890, A.M. 1892. IV. *yr.* History and Political Science.

Chase, George Davis, *Taunton,* 25 Holyoke St.
A.B. 1889, A.M. 1895. Sub-master, 1889–94, Bristol Academy. Proctor. II. *yr.* Shattuck Scholar. Comparative Philology.

Cohen, William Bryce, *Waco, Tex.* 20 Federal St.,
A.B. 1891. II. *yr.* English. [Salem.

Cole, George Franklin, *Skaneateles, N. Y.* 94 Wendell St.
Ph.B. (*Norwich Univ., Vt.*) 1892, A.B. (*Harvard Univ.*) 1895. Instructor, 1890–92, in Modern Languages, Norwich University, Vt. II. *yr.* Modern Languages.

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Collins, Edward, Jr. *Dorchester*, 985 Adams St.,
S.B. (*Mass. Inst. of Tech.*) 1888. Instructor, 1888–94, in Physics, Massachusetts Institute of Technology. II. *yr.* Chemistry.

Collins, William Dennis, *Melrose*, City Building,
A.B. 1895. Assistant in Physics. I. *yr.* Mathematics. [Brattle Sq.

Comfort, William Wistar, *Germantown, Pa.* W. H. 42.
A.B. (*Haverford Coll., Pa.*) 1894, A.B. (*Harvard Univ.*) 1895. I. *yr.* Modern Literature.

Cook, Howard Hamblett, *Salem*, T. 50.
A.B. 1893, A.M. 1894. III. *yr.* Thayer Scholar. Political and Social Science.

Cooley, Arthur Stoddard, *Auburndale*, 34 Bigelow St.
A.B. (*Amherst Coll.*) 1891, A.M. (*Harvard Univ.*) 1893. Instructor, 1891–92, in Languages, Park College, Mo. IV. *yr.* Morgan Fellow. Classical Philology.

Cooper, John Thomas, *Parkersburg, W. Va.* 14 Mellen St.
S.B. (*West Virginia Univ.*) 1894. II. *yr.* Chemistry, Law.

Cotter, James Ambrose Coppinger, *Boston*, H. 6.
A.B. 1893, LL.B. 1895. I. *yr.* English.

Coues, Robert Wheaton, *Cambridge*, 104 Mt. Auburn St.
A.B. 1895. I. *yr.* Modern Languages.

Cross, Arthur Lyons, *Beachmont*, W. 54.
A.B. 1895. Assistant in History. I. *yr.* History.

Cushman, Herbert Ernest, *Plymouth*, D. 24.
A.B. (*Bates Coll., Me.*) 1887, D.B. (*Tufts Coll.*) 1890, A.M. (*Ibid.*) 1890, A.B. (*Harvard Univ.*) 1895. Instructor in Philosophy, Tufts College. II. *yr.* Gorham Thomas Scholar. Philosophy.

Damon, Lindsay Todd, *Boston*, S. 21.
A.B. 1894. Assistant in English. Proctor. II. *yr.* Germanic Philology, English Literature.

Davis, Francis Franklin, *Montclair, N. J.* H. 17.
S.B. (*Haverford Coll., Pa.*) 1893, A.M. (*Ibid.*) 1894, A.M. (*Harvard Univ.*) 1895. II. *yr.* Shattuck Scholar. Mathematics.

Dearborn, George Van Ness, *Nashua, N. H.* 15 Union Park,
L.B. (*Dartmouth Coll., N. H.*) 1890, M.D. (*Columbia Coll., N. Y.*) [Boston.
1893. I. *yr.* Psychology and Metaphysics.

Denny, George Addison, *Leicester*, 1683 Cambridge St.
S.B. (*Worcester Polytechnic Inst.*) 1895. I. *yr.* History, Philosophy, etc.

Diman, John Byron. *Providence, R. I.* 130 Angell St.,
A.B. (*Brown Univ., R. I.*) 1885, D.B. (*Episcopal Theol.* [Providence, R. I.
*School. Cambridge*) 1888. Teacher, University Grammar School, Providence, R. I. I. *yr.* Education and Teaching.

Dodge, Charles Crocker, *Peabody*, 23 Federal St.,
A.B. (*Boston Univ.*) 1878. Teacher in Salem High School. I. *yr.* [Salem.
Education and Teaching.

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Doucette, Allan Edward, *Lynn*, T. 8.
A.B. 1895. I. *yr.* Mathematics.

Douglas, Edwin Rust, *Rutland, Vt.* 54 Hammond St.
M.E. (*Stevens Inst. of Tech., N. J.*) 1893. I. *yr.* Physics and Mathematics.

Duniway, Clyde Augustus, *Cambridge*, 138 Brattle St.
A.B. (*Cornell Univ., N. Y.*) 1892, A.M. (*Harvard Univ.*) 1894. III. *yr.* History and Political Science.

Durward, Arthur, *Boulder, Colo.* 94 Wendell St.
S.B. (*Univ. of Colorado.*) 1893, S.B. (*Harvard Univ.*) 1895. Assistant in Physics. I. *yr.* Mathematics and Physics.

Dynes, John Howard, *Cleveland, O.* 49 Oxford St.
A.B. (*Adelbert Coll. of Western Reserve Univ., O.*) 1891. I. *yr.* History and Political Science.

Earle, Samuel Chandler, *Somerville*, 8 Franklin St.,
A.B. 1894, A. M. 1895. II. *yr.* English. [Somerville.

Early, Leslie Newman, *Cambridge*, 80 Wendell St.
A.B. (*Kentucky Univ.*) 1876, A.M. (*Univ. of State of Missouri*) 1894. Clergyman. II. *yr.* Mathematics.

Fairlie, John Archibald, *Jacksonville, Fla.* C. 35.
A.B. 1895. I. *yr.* University Scholar. History and Government.

Farley, Frank Edgar, *Lawrence*, G 36.
A.B. 1893, A.M. 1894. Assistant, 1893–95, in English. III. *yr.* Shattuck Scholar. Modern Philology.

Farnsworth. William Oliver, *Roxbury*, 2550 Washington St.,
A.B. 1893, A.M. 1894. Instructor, 1894–95, in Modern Languages, Pennsylvania State College. II. *yr.* French. [Roxbury.

Faulkner, Robert Eames, *Keene, N. H.* 45 Mt. Vernon St.,
A.B. 1890. II. *yr.* English. [Boston.

Few, William Preston, *Greers Depot, S. C.* Read's Block 24.
A.B. (*Wofford Coll., S. C.*) 1887, A.M. (*Harvard Univ.*) 1893. Proctor. IV. *yr.* Townsend Scholar. English Philology.

Fiske, Winthrop Edwards, *Lowell*, 14 Mellen St.
A.B. 1890. Instructor, 1892–93, Racine College Grammar School. II. *yr.* Mathematics and Physics.

Fleischer, Charles, *Boston*, 38 St. Botolph St.,
Heb. B. (*Hebrew Union Coll., O.*) 1887, Rabbi (*Ibid.*) 1893, L.B. (*Univ. of Cincinnatt, O.*) 1893. Rabbi of Temple Adath Israel, Boston. II. *yr.* Philosophy. [Boston.

Folsom, Justus Watson, *Cambridge*, 26 Trowbridge St.
S.B. 1895. I. *yr.* Zoölogy.

Forbes, Edward Waldo, *Milton*, T. 34.
A.B. 1895. I. *yr.* Philosophy and History.

Ford, Jeremiah Denis Matthias, *Somerville*, C. 56.
A.B. 1894, A. M. 1895. Instructor in French. II. *yr.* Modern Philology.

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Foster, Benjamin Oliver, *Washington, D. C.* Windsor Road, [Brookline.
A.B. (*Leland Stanford Jr. Univ., Cal.*) 1895. I. *yr.* University Scholar. Classical Philology.

Foster, Herbert Baldwin, *Andover*, 1746 Cambridge St.
A.B. 1895. I. *yr.* Modern Languages.

Garrison, Wilbert Andrew, *Thurmont, Md.* 11 Wendell St.
A.M. (*Heidelberg Univ., O.*) 1893. Principal, 1892–95, Academy of Heidelberg University, Tiffin, O. I. *yr.* Mathematics.

Gaylord, Joseph Searle, *Boston*, 114 W. Springfield [St., Boston.
A.B. (*Knox Coll., Ill.*) 1885, A.M. (*Ibid.*) 1888. Associate Professor, 1894–95, of Elocution and Oratory, Oberlin College, Oberlin, O. I. *yr.* Philosophy.

Gibbs, Lincoln Robinson, *Wiscasset, Me.* 9 Wendell St.
A.B. (*Wesleyan Univ., Conn.*) 1892, A.M. (*Ibid.*) 1893. Instructor, 1894–95, in English, Lehigh University, Pa. I. *yr.* English.

Gillespie, Walter Hamilton, *Hamilton, Ont.* 48 Wendell St.
A.B. (*Univ. of Toronto, Ont.*) 1894. I. *yr.* Classical Philology.

Glenn, Charles Bowls, *Auburn, Ala.* 10 Mellen St.
S.B. (*Alabama Polytechnic Inst.*) 1891, S.M. (*Ibid.*) 1892. Instructor, 1892–93, Alabama Polytechnic Institute. I. *yr.* English.

Goodwin, Elliot Hersey, *Cambridge*, 8 Follen St.
A.B. 1895. I. *yr.* History.

Gorrill, William Henry, *Oakland, Cal.* S. 15.
A.B. (*Univ. of California*) 1895. I. *yr.* Jurisprudence and Ethics.

Goto, Seitaro, *Tokyo, Japan*, 9 Story St.
S.M. (*Imperial Univ., Japan.*) 1890, S.D. (*Ibid.*) 1895. Lecturer, 1893–95, Anglo-Japanese College, Tokyo, Japan. I. *yr.* Virginia Barret Gibbs Scholar. Zoölogy.

Grand, Ernest Daniel, *Paris, France.* 18 Story St.
Bach. ès-lettres (*Fac. des Lett. de Paris*) 1881, Archiviste-Paléog. (*Ecole des Chartes*) 1886. Archivist of the City of Montpellier, France, 1889–93. Lecturer, 1890–33, on Palaeography, University of Montpellier. II. *yr.* University Scholar. Romance Philology.

Grant, Milton Daniel, *Hopewell, N. S.* 56 Plympton St.
A.B. (*Dalhousie Univ., N. S.*) 1894. I. *yr.* Classical Philology.

Gratwick, William Henry, Jr. *Buffalo, N. Y.* 14 Ash St.
A.B. 1882. I. *yr.* Sociology.

Griffin, Charles Sumner, *Lawrence, Kans.* C. 68.
A.B. (*Univ. of Kansas*) 1894, A.B. (*Harvard Univ.*) 1895. University Scholar. I. *yr.* History, Government, and Economics.

Griffith, Elmer Ellsworth, *Indianapolis, Ind.* 11 Atherton St.
A.B. (*Indiana Univ.*) 1885, A.M (*Ibid.*) 1890, A.M. (*Harvard Univ.*) 1895. Superintendent, 1890–94, Indiana Institute for the Blind. [Somerville.
II. *yr.* English.

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**Grover, Frederick Orville,** *Centre Ossipee, N. H.* Brewer's 12.
A.B. (*Dartmouth Coll., N. H.*) 1890, A.M. (*Ibid.*) 1893, A.B. (*Harvard Univ.*) 1895. Instructor, 1892–94, Western Military Academy, Upper Alton, Ill. Assistant in Botany. Proctor. II. *yr.* University Scholar. Botany.

**Gulliver, Frederic Putnam,** *Norwich, Conn.* 1686 Cambridge St.
A.B. 1893, A.M. 1894. Topographer, 1886-91, U. S. Geological Survey. IV. *yr.* Leverett Saltonstall Scholar. Physical Geography.

**Gustafson, John Gustavus,** *Orange,* 40 Mt. Auburn St.
A.B. (*Gustavus Adolphus Coll., Minn.*) 1895. Clergyman. I. *yr.* History and Political Science, Philosophy.

**Hall, John Galentine,** *Lawrence, Kans.* 122 Oxford St.
A.B. (*Univ. of Kansas*) 1895. Assistant, 1894–95, in Botany, University of Kansas. I. *yr.* Botany.

**Hall, Robert William,** *Brookline,* Brown and St. Paul
Ph.B. (*Yale Univ.*) 1895. I. *yr.* University Scholar. [Sts., Brookline.
Zoölogy.

**Hamaker, John Irvin,** *New Basel, Kans.* 14 Shepard St.
A.B. (*Univ. of Kansas*) 1893, A.B. (*Harvard Univ.*) 1894, A.M. (*Ibid.*) 1895. Assistant in Zoölogy. II. *yr.* Zoölogy.

**Hancock, Albert Elmer,** *Philadelphia, Pa.* Felton Building 18.
S.B. (*Wesleyan Univ., Conn.*) 1891, A.M. (*Harvard Univ.*) 1895. Proctor. II. *yr.* University Scholar. English.

**Harding, Edward,** *Philadelphia, Pa.* 60 Brattle St.
A.B. 1895. I. *yr.* Sociology.

**Hatch, Louis Clinton,** *Bangor, Me.* 378 Harvard St.
A.B. (*Bowdoin Coll., Me.*) 1895. I. *yr.* History.

**Hatton, Moses Wesley,** *Ruston, La.* 13 Mellen St.
*Univ. of State of Missouri,* 1886–88, 89–92. President, 1894–95, Ruston College, Ruston, La. I. *yr.* English, Germanic Philology.

**Henshaw, Oliver Bridges,** *Cambridge,* 36 Linnaean St.
A.B. 1893, A.M. (*Univ. of California*) 1894. Instructor, 1894–95, University of California. I. *yr.* University Scholar. Philosophy.

**Hewlett, John Clark,** *Boston,* Argo House,
Gr. (*Episcopal Divinity School, Philadelphia, Pa.*) 1873. I *yr.* [Roslindale.
Philosophy.

**Heyl, Paul Renno,** *Philadelphia, Pa.* 67 Mt. Auburn St.
S.B. (*Univ. of Pennsylvania*) 1894. Tyndall Fellow of University of Pennsylvania. I. *yr.* Physics and Mathematics.

**Hill, Lewis Dana,** *Cambridge,* 366 Harvard St.
A.B. 1894. Assistant in Physics. I. *yr.* Physics and Mathematics.

**Hisa, Michitaro,** *Onahoma, Iwaki, Japan.* 9 Story St.
A.B. 1895. I. *yr.* Sociology.

**Hite, Lewis Field,** *Cambridge,* 1 Avon Pl.
*Univ. of Virginia,* 1873–75, 78–79, 81–82. Instructor at New Church Theological School, Cambridge. III. *yr.* Philosophy.

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Hodgman, Arthur Winfred, *Lowell*, 90 Brattle St.
A.B. 1890, A.M. 1893. IV. *yr.* Charles Haven Goodwin Scholar. Classical Philology.

Hooper, Sumner Ricker, *Springvale, Me.* 8 Mt. Pleasant St., [Winchester.
A.B. 1895. Principal, Wadleigh School, Winchester. I. *yr.* Philosophy, Education and Teaching.

Hopkins, Herbert Müller, *Toledo, O.* 69 Oxford St.
A.B. (*Columbia Coll., N. Y.*) 1893. Instructor, 1894–95, Cheltenham Academy, Ogontz, Pa. I. *yr.* Classical Philology.

Horne, Charles Albert, *Cambridge*, Lawrence 5.
A.B. (*Trinity Coll., Conn.*) 1893, A.B. (*Harvard Univ.*) 1894. III. *yr.* Philosophy.

Horne, Irving Williams, *Braintree*, Braintree.
A.B. (*Bowdoin Coll., Me.*) 1886, A.M. (*Ibid.*) 1890. Superintendent of Schools, Braintree. III. *yr.* Education and Teaching.

Horne, Perley Leonard, *Cambridge*, 18 Ellery St.
A.B. 1892, A.M. 1894. Assistant in History. III. *yr.* History and Economics.

Huling, Ray Greene, *Cambridge*, 101 Trowbridge St.
A.B. (*Brown Univ., R. I.*) 1869, A.M. (*Ibid.*) 1872, S.D. (*Ibid.*) 1894. Head Master of the English High School, Cambridge. III. *yr.* Education and Teaching.

Huntington, Edward Vermilye, *Flushing, N. Y.* P. 23.
A.B. 1895. Instructor in Mathematics. I. *yr.* Philosophy and Mathematics.

Ittner, Martin Hill, *St. Louis, Mo.* 94 Hammond St.
Ph.B. (*Washington Univ. Mo.*) 1892, S.B. (*Ibid.*) 1894, A.M. (*Harvard Univ.*) 1895. II. *yr.* Thayer Scholar. Chemistry.

Jack, Albert Elmer, *Lake Forest, Ill.* 44 Sacramento St.
A.B. (*Lake Forest Coll., Ill.*) 1884, A.M. (*Coll of New Jersey*) 1887. Professor of English, Lake Forest College, on leave of absence. I. *yr.* English.

Jaggar, Thomas Augustus, Jr. *Cincinnati, O.* P. 60.
A.B. 1893, A.M. 1894. Instructor in Geology. II. *yr.* Geology.

Jaques, Louis Curtis, *Somerville*, 57 Jaques St., [Somerville.
A.B. 1892. Instructor, 1892–95, Belmont School, Belmont. I. *yr.* Romance Languages and Literature.

Jennings, Herbert Spencer, *Tonica, Ill.* 11 Francis Ave.
S.B. (*Univ. of Michigan*) 1893, A.M. *Harvard Univ.*) 1895. Assistant, 1894–95, in Zoölogy. II. *yr.* Morgan Fellow. Zoölogy.

Jones, Henry Walter, *Cambridge*, 276 Harvard St.
A.B. 1895. I. *yr.* Engineering.

Kershaw, Francis Stewart, *Columbus, O.* M. 7.
Ph.B. (*Ohio State Univ.*) 1891, A.B. (*Harvard Univ.*) 1892. A.M. (*Ibid.*) 1895. Assistant, 1890–91, in English, Ohio State University. V. *yr.* English and Italian.

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**Riddle, William Hallerman,** *Lawrence, Kans.* P. 57.
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A.B. 1893. Teacher, 1893–94, Milton Academy. I. *yr.* English.

Wentworth Charles T, *Dorchester*, T. 59.
A.B. 1894, A.M. 1895. Assistant in History. II. *yr.* History.

Werner, James Benton, *Lexington*, Lexington.
A.B. (*Muhlenberg Coll., Pa.*) 1890, A.M. (*Ibid.*) 1893. Settled Clergyman. I. *yr.* Philosophy.

Werren, Jacob Emmanuel, *Abington*, P. O. Box 149, Abington.
Professor of Semitic Languages, New Church Theological School, Cambridge. II. *yr.* Sanskrit.

Wheeler, Philip Manchester, *Brooklyn, N. Y.* W. 50.
S.B. (*Brooklyn Polytechnic Institute, N. Y.*) 1894. II. *yr.* Chemistry.

Whitaker, Hobart Karl, *Leverett*, H. 18.
A.B. (*Amherst Coll.*) 1890; Gr. Stud., *Chicago Univ.*, 1894–95. Principal, 1890–94, Amherst High School. I. *yr.* History.

Whittemore, James Kelsey, *Boston*, Winthrop 23.
A.B. 1895. Instructor in Mathematics. I. *yr.* Mathematics.

Whittemore, Thomas, *Cambridge*, 372 Mass. Ave.
A.B. (*Tufts Coll.*) 1894. Instructor in English, Tufts College. I. *yr.* English.

Winter, De, *Berkeley, Cal.* 1682 Mass. Ave.
L.B. (*Univ. of California*) 1892, A.M. (*Harvard Univ.*) 1894. III. *yr.* English and Philosophy.

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**Wolfson, Arthur Mayer,** *Kansas City, Mo.* 13 Mellen St.
A.B. 1893. Teacher, 1893–95, Kansas City High School. I. *yr.* Townsend Scholar. History and Government.

**Wood, Clarence David,** *Brooklyn, N. Y.* 54 Garden St.
A.B. (*Amherst Coll.*) 1893. Instructor, 1893–94, Polytechnic Institute, Brooklyn, N. Y. II. *yr.* English.

**Woodman, Willis Patten,** *Jamaica Plain,* 6 Greenough Ave., [Jamaica Plain.
A.B. 1895. I. *yr.* Classical Philology.

**Woods, Malcolm Carr,** *Darlington, S. C.* 1683 Cambridge St.
A.B. (*Wofford Coll., S. C.*) 1895. I. *yr.* English.

**Woodward, Sherman Melville,** *Minneapolis, Minn.* 60 Hammond St., [Boston.
S.M. (*Washington Univ., Mo.*) 1893. I. *yr.* Townsend Scholar. Physics and Mathematics.

**Wright, James Homer,** *Pittsburg, Pa.* 38 St. Botolph St., [Boston.
A.B. (*Johns Hopkins Univ.*) 1890, M.D. (*Univ. of Maryland*) 1892, A.M. (*Harvard Univ.*) 1894. Assistant in Pathology. III. *yr.* Pathology.

**Yeames, Herbert Hilarion,** *Jamaica Plain,* T. 24.
A.B. 1895. I. *yr.* University Scholar. Classical Philology.

**Züllig, Arnold Anton Ferdinand,** *Watertown,* 7 Marshall St., [Watertown.
(*State Exam. Univ. of Zürich, Switzerland*) 1868. Teacher in High School, Watertown. I. *yr.* Germanic Philology.

## NON-RESIDENT STUDENTS IN 1895–96.

| NAME. | HOME RESIDENCE. | PRESENT ADDRESS. |
|---|---|---|
| **Bakewell, Charles Montague,** A.B. (*Univ. of California*) 1889, A.M. (*Ibid.*) 1891, A.M. (*Harvard Univ.*) 1892, Ph.D. (*Ibid.*) 1894. V. *yr.*; III. *yr.* as *Non-Resident Student.* John Harvard Fellow. History of Philosophy. | *Riverside, Cal.* | Paris, France. [Cr. Brown. Shipley, [& Co., London, [England. |
| **Burton, Harry Edwin,** A.B. 1890, A.M. 1893, Ph.D. 1895. IV. *yr.*; I. *yr.* as *Non-Resident Student.* Parker Fellow. Classical Philology. | *Cambridge,* | Rome, Italy. [The American School [of Classical Studies. |
| **Chester, Frank Dyer,** A.B. 1891, A.M. 1892, Ph.D. 1894. Assistant, 1892–95, in Semitic Languages. IV. *yr.*; I. *yr.* as *Non-Resident Student.* Rogers Fellow. Semitic Languages and History. | *Boston,* | Damascus, Syria. [Cr. Thomas R. Gib- [son, Esq., U.S. Con- [sul, Beirut, Syria. |
| **Coolidge, Julian Lowell,** A.B. 1895. I *yr.* Mathematics. | *Boston,* | Oxford, England. [Balliol College. |
| **Duane, William,** A.B. (*Univ. of Pennsylvania*) 1892, A.B. (*Harvard Univ.*) 1893, A.M. (*Ibid.*) 1895. Assistant, 1893–95, in Physics. III. *yr.*; I. *yr.* as *Non-Resident Student.* John Tyndall Scholar. Physics. | *Cambridge,* | Berlin, Germany. [Dorotheen Str. 37. |

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**Fay, Irving Wetherbee,** *Winsted, Conn.* — Berlin, Germany.
A.B. 1886. Teacher, 1887–92, Belmont School, Cal. I. *yr.* Parker Fellow. Chemistry. [Cr. Frau Gerling, [Wilhelm Str. 49.

**Harris, William Fenwick,** *Malden,* — Berlin, Germany.
A.B. 1891, A.M. 1892. Assistant, 1893–95, in Classics. V. *yr.*; I. *yr.* as *Non-Resident Student.* Classical Philology. [Cr. Mendelssohn & Co.

**Hodges, Archie Livingston,** *Worcester,* — Worcester.
A.B. 1883. Teacher in Worcester Classical High School. III. *yr.*; II. *yr.* as *Non-Resident Student.* Classical Philology. [26 William St.

**MacDougall, Robert,** *Ormstown, P. Q.* — Berlin, Germany.
A.B. (*McGill Univ., P. Q.*) 1890, A.M. (*Harvard Univ.*) 1893, Ph.D. (*Ibid.*) 1895. IV. *yr.*; I. *yr.* as *Non-Resident Student.* James Walker Fellow. Philosophy. [Unter den Linden, [Kleine Kirchgasse [2/3II.

**Reisner, George Andrew,** *Cambridge,* — Berlin, Germany.
A.B. 1889, A.M. 1891, Ph.D. 1893. Assistant, 1891–93, in Semitic Languages. Assistant, Assyrian Department, Royal Museum, Berlin. VI. *yr.*; III. *yr.* as *Non-Resident Student.* John Harvard Fellow. Semitic Languages and History. [Feurig Str. 6, [Friedenau.

**Robinson, Fred Norris,** *Lawrence,* — Freiburg im Breisgau, Germany.
A.B. 1891, A.M. 1892, Ph.D. 1894. Instructor, 1894–95, in English. IV. *yr.*; I. *yr.* as *Non-Resident Student.* Harris Fellow. Celtic Languages and Literatures. [Werderstrasse, 8.

**Richards, Herbert Maule,** *Newport, R. I.* — Leipzig, Germany.
S.B. 1891, S.D. 1895. Assistant, 1891–95, in Botany. IV. *yr.*; I. *yr.* as *Non-Resident Student.* Parker Fellow. Botany. [Botanische Institut.

**Schofield, William Henry,** *Lakefield, Ont.* — Paris, France.
A.B. (*Victoria Univ., Ont.*) 1889, A.M. (*Harvard Univ.*) 1893, Ph.D. (*Ibid.*) 1895. IV. *yr.*; I. *yr.* as *Non-Resident Student.* Rogers Fellow. Comparative Mediaeval Literature. [21 rue Valette.

**Sullivan, James, Jr.,** *Chicago, Ill.* — Paris, France.
A.B. 1894, A.M. 1895. Assistant, 1894–95, in History. II. *yr.*; I. *yr.* as *Non-Resident Student.* John Thornton Kirkland Fellow. History and Political Science. [9 rue de l'Université.

**Vickers, Enoch Howard,** *Shepherdstown, W. Va.* — Berlin, Germany.
A.B. (*W. Virginia Univ.*) 1890, A.B. (*Harvard Univ.*) 1893, A.M. (*Ibid.*) 1894. Assistant, 1894–95, in Government and Law. III. *yr.*; I. *yr.* as *Non-Resident Student.* Robert Treat Paine Fellow. Social Science and Economics. [Markgrafen Str. [53/54II.

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Weysse, Arthur Wisswald, *West Roxbury*, Paris, France.
A.B. 1891, A.M. 1892, Ph.D. 1894. Assistant, 1892-94, [6 rue des Ecoles.
in Botany. V. *yr.*; II. *yr.* as *Non-Resident Student.*
Parker Fellow. Zoölogy.

## SUMMARY.

| | |
|---|---|
| Number of Resident Students . . . . . | 269 |
| Number of Non-Resident Students . . . . . | 16 |
| Total . . . . . | 285 |

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# THE GRADUATE SCHOOL.

## ORGANIZATION.

The Graduate School of Harvard University is under the charge of the Faculty of Arts and Sciences. It is the business of that Faculty to fix the conditions of admission to the School; to provide courses of instruction for its students; to direct their studies, and examine them in the same; to establish and maintain the requirements for all degrees in Arts, Science, and Philosophy, and make recommendations for those degrees to the President and Fellows; to lay down such regulations as they may deem necessary or expedient for the government of the School; and to exercise a general supervision over all its affairs.

The ordinary administration of the Graduate School is conducted by an Administrative Board, which reports to the Faculty of Arts and Sciences. The Dean of the Graduate School is the chairman of the Administrative Board, and the executive officer of the School.

The Dean of the Faculty of Arts and Sciences should be consulted on all general questions requiring the action of the Faculty.

## ADMISSION.

Applications for admission to the Graduate School are received, at any time, by the Administrative Board; but it is generally advisable that they be presented, if possible, at the beginning of the academic year. Admission is ordinarily granted to Bachelors of Arts and Bachelors of Science of Harvard University; and to Graduates of other Colleges and Scientific Schools of good standing, who present satisfactory evidence of character and qualifications. Other persons, of suitable age and attainments, may also be admitted, by special vote in each case.

An application for admission may be made by filling out and depositing a registration blank at the office of the Dean of the Graduate School, or at such other place as may be designated from time to time for the purpose of registration. If the applicant is not a graduate of Harvard University, he must also file, for the consideration of the Administrative Board, satisfactory certificates of *scholarship* and *character*, — and if he holds a degree from any institution, diplomas or official certificates, sufficient to furnish evidence of such *degree* or *degrees*.

*Admission to the Graduate School does not imply admission to candidacy for a Degree.* The conditions of candidacy for the several degrees open to Graduate Students will be found on a later page.

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## RESIDENCE.

Resident Students in the Graduate School are required to pursue their studies at this University, to be in regular attendance on the exercises in some course or courses of instruction, and to do all the required work (including all examinations) in the courses which they elect; or to carry on regular work in some laboratory or museum or in the library, under the frequent inspection and criticism of instructors in the University. *Students in regular attendance at the University are classed as Resident Students, whether lodging in Cambridge or elsewhere.*

Holders of fellowships, pursuing their studies away from the University with the sanction of the Faculty, are registered as Non-Resident Students in the Graduate School.

Students who are conducting special investigations which require their absence from the University, and those who have completed a period of residence at the University, and are carrying on studies with the purpose of becoming candidates for a degree, may also be allowed to register in the Graduate School as Non-Resident Students, under such conditions as may be imposed in each case.

## REGISTRATION AND REPORT.

Every Resident Student in the Graduate School and every applicant for Admission to the School is expected to register, by filling out certain blanks, at the beginning of each academic year of his membership in the School, on *Thursday, the first day of the academic year*, at the office of the Dean of the Graduate School, or at such other place as may be designated by notice posted at University Hall. A student who enters on his studies after the beginning of the academic year must register at the office of the Dean of the Graduate School at the time of his entering on his studies.

On registering, a student receives a certificate of having done so from the officer in charge of the registration, and must present this certificate to the Bursar, with whom he must then file his bond, and from whom he will obtain authority to attend instruction and to use the College Library. In case the registration is afterwards not accepted by the Administrative Board, it will be cancelled, and the student will not be liable for tuition-fees; or he may be transferred, if he so desires, to another Department of the University.

A student is counted as a full member of the School only from the date of his registration, and during the period of his being *actually engaged in his studies as a Resident or Non-Resident Student in the School.*

A student who withdraws from the Graduate School in the course of an academic year is required to give immediate written notice to the Dean of

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the Graduate School. *No deduction from the full year's fees will be made in the case of a student withdrawing in the course of a year, unless he gives this notice.*

Every Resident Student is required to file a *list of his studies* for the academic year (or at least for the first half-year), at the time he registers, with the officer in charge of the registration, — or within one week thereafter, at the office of the Dean of the Graduate School. If he subsequently wishes to make any change in his studies, he must file written notice of his wish at the Dean's office, and must obtain the assent of the Dean.

A Resident Student who wishes to be absent from the University during any part of term-time must obtain leave of absence from the Dean of the Graduate School. Immediate written notice must be given to the Dean of any change of *address*.

Non-Resident Students must register promptly by letter. Registration-blanks will be sent them from the office. Such students are required to keep the Dean of the Graduate School constantly informed of their addresses and their plans of study, and to make each year a full written report to the Administrative Board.

## STUDIES.

The instruction provided by the Faculty of Arts and Sciences for the three Departments of the University under the charge of that Faculty is arranged in one list of Courses of Instruction, consisting of FULL COURSES and HALF-COURSES, see pp. 69–135. These are distributed into *three groups* in the several branches of study; namely,

(1) Courses designed primarily for Undergraduates.

(2) Courses for Graduates and Undergraduates.

(3) Courses primarily for Graduates.

*Any course* (or half-course) *in either group is open to all students in the Graduate School who present sufficient evidence of qualification for that course.*

*A complete year's work for a Resident Student in the Graduate School, when made up of Courses of Instruction, consists of four full courses of advanced grade, pursued with high credit throughout an academic year, or of equivalent work in courses and half-courses.* All the work of such courses must be performed, unless the student has leave from the instructor to omit some part of the ordinary requirement of any course; and all examinations must be passed.

Among the higher courses of instruction, are Courses of Research and Seminaries, for students who wish to do special work of an advanced character. These courses are carried on under various plans of administration in the several departments, but always with the object of affording opportunity for systematic independent study. There are also Con-

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ferences and Clubs, which have similar purposes, and are valuable auxiliaries of the departments. These are enumerated below, under another head.

*Special study of an advanced character*, whether done in connexion with any course or courses of instruction, or carried on outside of the courses, may be counted as a part or the whole of the *year's work* of a Graduate Student. In order that it may be so counted, the student should enter it in his list of studies, which he files at the beginning of the year at the office of the Dean of the Graduate School, with a statement of the weight it is designed to have in his year's work; and this entry should be followed by the signature of an instructor, who thereby expresses his approval of the special study proposed by the student, and undertakes to supervise it during the academic year, and to report upon it at the close of the year.

In some departments of study, Summer Courses of Instruction are given at the University, during certain weeks of the vacation. These courses are especially designed for teachers in schools and colleges, and for students who wish to attend them in preparation for taking more advanced courses in the next academic year. Some of them are equivalent to corresponding courses given in term time, and may be counted for such courses towards a degree. Full information concerning the Summer Courses may be obtained by application to the *Corresponding Secretary of the University*.

A Graduate Student, having the necessary qualifications, may take some of his courses in a Professional School. Any Graduate Student in regular standing, paying the fee of $150 a year, is admitted free to the instruction and the examinations given in any Department of the University, with the exception of exercises carried on in special laboratories.

## YEARLY ANNOUNCEMENT OF COURSES.

In May of each academic year, the Faculty of Arts and Sciences issues an *Announcement of the Courses of Instruction* provided by that Faculty for the ensuing academic year. The Announcement for the year 1896–97 will be ready in May, 1896.

In most departments of study, *special pamphlets* are also published, presenting a full account of the instruction and other resources of the University in those departments. These pamphlets contain important particulars about the text-books, the methods of instruction, the objects, scope, and mutual relations of the several courses, and the various advantages which students may find outside of the courses.

For full information about the courses offered by the Faculty of Arts and Sciences for any academic year, it is necessary to consult the above-named publications for that year; which can be obtained on application to the *Corresponding Secretary of Harvard University*.

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## LIBRARIES.

The libraries of the University are the College Library; the Departmental libraries, — which are those of the Lawrence Scientific School, the Bussey Institution, the Observatory, the Botanic Garden (Herbarium), the Divinity, Law, and Medical Schools, the Museum of Comparative Zoölogy, the Peabody Museum, and the Arnold Arboretum; — and the Laboratory and Classroom libraries attached to the several departments of the Faculty of Arts and Sciences. The total number of bound volumes contained in all these libraries was, at the last enumeration, 466,410, of which the College Library contained 334,000. The several libraries also contain valuable collections of pamphlets and maps, as well as photographs, engravings, etc. Great pains are taken to procure all books that may be needed by Graduate Students.

For the general regulations concerning libraries — and especially for the rules of the College Library — reference should be made to the part of the Catalogue entitled "THE UNIVERSITY LIBRARY."

The following is a list of the special libraries regularly open to Graduate students engaged in work of research, with the names of the curators of such libraries, the places in which the libraries are kept, and the approximate number of their books: —

SEMITIC STUDIES; Professor Toy; 7, Sever Hall; 500 books.

SANSKRIT; Professor Lanman; 15, Sever Hall; 200 books.

CLASSICAL PHILOLOGY; Asst. Professor Howard; 8, Harvard Hall; 3000 books.

GERMANIC AND ROMANCE LANGUAGES (English, German, Romance Philology, Comparative Literature); Asst. Professor Schilling; 2, Sever Hall; 1000 books.

FRENCH; Asst. Professor de Sumichrast; 21, Sever Hall; 1500 books.

PSYCHOLOGY; Professor James; Dane Hall; 300 books.

SOCIAL QUESTIONS; Professor Peabody; Harvard Hall; 450 books.

GENERAL HISTORY; Professor Macvane; Harvard Hall; 1500 books.

AMERICAN HISTORY; Asst. Professor Hart; University Hall; 700 books.

ECONOMICS; Professor Taussig; 14, University Hall; 650 books.

ARCHITECTURE; Professor Warren; Architectural Building; 140 books.

MUSIC; Professor Paine; Dane Hall; 200 books.

MATHEMATICS; Professor Byerly; 22, Sever Hall; 350 books.

ENGINEERING; Professor Hollis; Lawrence Scientific School; 4600 books.

PHYSICS; Professor Trowbridge; Jefferson Physical Laboratory; 350 books.

CHEMISTRY; Asst. Professor Richards; Boylston Hall; 550 books.

MINERALOGY AND PETROGRAPHY; Professor Wolff; University Museum; 400 books.

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Botany; Dr. Robinson; Herbarium, Botanic Garden; 9000 books.
Phanerogamic Botany; Professor Goodale; University Museum; 600 books.
Zoölogy and Geology (Museum of Comp. Zoöl); Miss F. M. Slack; University Museum; 25,000 books.
Zoölogy (Zoölogical Laboratories); Professor Mark; University Museum; 230 books.
Geology and Palaeontology; (Geological Laboratory); Professor Shaler; University Museum; 103 books.
Whitney Collection of Geology and Geography; University Museum; not enumerated.
Physical Geography; Professor Davis; University Museum; 350 books.
American Archaeology and Ethnology; Professor Putnam; Peabody Museum; 1458 books.

The College Library is also well provided in these departments; and especially in some which do not have large special libraries, such as: — Sanskrit, English, Romance Languages and Literatures, Philosophy, the Fine Arts, Music, and Mathematics.

## MUSEUMS, LABORATORIES, ETC.

Students who take courses which involve laboratory-work or the study of collections, or who are engaged in special research of an advanced character, outside of the regular courses, may carry on such studies, under proper regulations, — and in certain cases on the payment of laboratory fees specified on a later page under the heading: *Fees, Bonds, and Expenses*, — in the appropriate Museums and Laboratories.

The following is a list of the Museums and Laboratories which are available, under these conditions, to Graduate Students, with the names of their curators or directors. Some of them comprehend many subdivisions, not here enumerated. Full information about the Museums and Laboratories may be found in other parts of the Catalogue.

Semitic Museum; Professor Lyon; Peabody Museum, Divinity Avenue.
Sanskrit Collection (Sanskrit, Jaina Prākrit, and Pāli manuscripts, rubbings of inscriptions from the Açoka stone and Buddhist Stūpa of Bharhut, fac-simile coins, photographs, stereopticon slides, etc.); Professor Lanman; 15, Sever Hall.
Classical Philology Collection (of maps, casts, stereopticon slides, photographs, facsimile coins, etc.); in various buildings.
Psychological Laboratory; Professor James; Dane Hall.
William Hayes Fogg Art Museum; Asst. Professor Moore; Broadway.
Fine Arts Laboratory; Asst. Professor Moore; 3, Sever Hall.

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GRAY COLLECTION OF ENGRAVINGS; temporarily placed at the Museum of Fine Arts, Copley Square, Boston.

JEFFERSON PHYSICAL LABORATORY; reached from Kirkland Street; Professor Trowbridge.

ENGINEERING LABORATORY; Professor Hollis; Old Gymnasium. Broadway.

ELECTRICAL ENGINEERING LABORATORY; Mr. C. A. Adams; Lawrence Scientific School, Kirkland Street.

CHEMICAL LABORATORY; Professor H. B. Hill; Boylston Hall.

MINERALOGICAL MUSEUM AND LABORATORIES; Professor Wolff; University Museum, Oxford Street.

BOTANIC GARDEN; Professor Goodale; corner of Garden and Linnaean Streets.

HERBARIUM; Dr. Robinson; Botanic Garden.

BOTANICAL MUSEUM AND LABORATORIES; Professor Goodale; University Museum, Oxford Street.

CRYPTOGAMIC HERBARIUM; Professor Farlow; University Museum, Oxford Street.

MUSEUM OF COMPARATIVE ZOÖLOGY AND LABORATORIES OF NATURAL HISTORY; Dr. Agassiz; University Museum, between Oxford Street and Divinity Avenue.

PEABODY MUSEUM OF AMERICAN ARCHAEOLOGY AND ETHNOLOGY; Professor Putnam; Divinity Avenue.

Graduate Students taking the courses offered to them at the Medical School are admitted to the laboratories in which those courses are carried on. In special cases, and by arrangements made beforehand in each case, Graduate Students may carry on studies at the Bussey Institution of Agriculture and Horticulture or at the Astronomical Observatory.

## CONFERENCES, CLUBS, READINGS, ETC.

Important work is done by Graduate Students in Conferences and Clubs which exist in more or less close connexion with the several departments of study. These organizations, concerning which detailed information is given in the departmental pamphlets or may be obtained from instructors, are now the following: —

SANSKRIT CONFERENCE; fortnightly in the second half-year.

CLASSICAL CLUB; fortnightly.

MODERN LANGUAGE CONFERENCE; fortnightly.

DEUTSCHER VEREIN; fortnightly.

CERCLE FRANÇAIS; fortnightly.

PHILOSOPHICAL CONFERENCE; monthly.

HARVARD PAEDAGOGICAL CLUB; fortnightly.

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HARVARD CIVIL SERVICE REFORM CLUB; weekly.
HARVARD GOOD GOVERNMENT CLUB.
HARVARD MEMORIAL SOCIETY; monthly.
HARVARD FOLK-LORE SOCIETY
PHYSICAL COLLOQUIUM; weekly.
HARVARD CHEMICAL CLUB; fortnightly.
BOYLSTON CHEMICAL SOCIETY; fortnightly.
BOTANICAL CONFERENCE; fortnightly.
BOTANICAL CLUB; fortnightly.
ZOÖLOGICAL CLUB; fortnightly.
GEOLOGICAL CONFERENCE; weekly.
HARVARD NATURAL HISTORY SOCIETY; bi-monthly.

Many of the Seminary courses have also something of the character of conferences.

To the above list may be added a few literary and scientific societies, having no direct connexion with the University, but with which instructors in the University are intimately associated, and of which Graduate Students may be members, or which they are invited to attend. Among these are the American Dialect Society; the Boston Association of the American Folk-Lore Society; the M. P. Club, for the discussion of subjects in Mathematics and Physics; the Boston Society of Natural History; and the New England Meteorological Society.

The GRADUATE CLUB is an organization composed of students in the Graduate School, elected on recommendation of the Executive Committee of the Club. Its aim is to promote social intercourse and a general acquaintance among its members with the work done in all the different departments of the School. Talks by members of the Club on methods and results in the various departments and addresses by other persons on matters of literary and scientific interest are given at its meetings. The Club holds a reception for all officers and students of the School near the beginning of each academic year. The circular of the Club may be obtained on application.

Graduate Students may also become members of the Canadian Club, the Southern Club, and of many of the large number of societies which exist in the University for religious, ethical, political, literary, musical, and social objects.

They may also join the Harvard Dining Association, which uses the great dining-room of Memorial Hall, or the Foxcroft Club, a coöperative organization for reducing the expenses of students, having quarters near the College yard.

Besides the regular courses of instruction, many public LECTURES and READINGS, are given each year under the auspices of the University, on topics interesting to students in connexion with their work.

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A public series of Orchestral Concerts is given each year at Sanders Theatre in Memorial Hall by the Boston Symphony Orchestra.

See "LECTURES, EVENING READINGS, CONCERTS, ETC."

## PUBLICATIONS.

A few departments of study issue periodicals or yearly volumes, embodying the work of instructors and students at the University. Other departments make regular contributions, under an official heading, to the proceedings of certain learned societies or to journals of literature and science, existing outside of the University. The publications which proceed directly from the departments are the following: —

HARVARD ORIENTAL SERIES (Indo-Iranian Department); Vols. I–III issued.

HARVARD STUDIES IN CLASSICAL PHILOLOGY (yearly); Vols. I–V issued.

STUDIES AND NOTES IN PHILOLOGY AND LITERATURE (Modern Language Departments; yearly); Vols. I–III issued. Vol. IV in press.

HARVARD HISTORICAL STUDIES; published under the direction of the Department of History and Government from the income of the Henry Warren Torrey Fund. The first volumes will be published in 1896.

QUARTERLY JOURNAL of ECONOMICS; in its tenth year.

ANNALS OF THE OBSERVATORY OF HARVARD COLLEGE; thirty-three volumes issued.

PUBLICATIONS OF THE MUSEUM OF COMPARATIVE ZOÖLOGY; namely: BULLETIN, twenty-seven volumes issued; MEMOIRS BY PROFESSORS AND ASSISTANTS, eighteen volumes issued.

CONTRIBUTIONS FROM THE ZOÖLOGICAL LABORATORY; under the direction of Professor E. L. Mark; fifty-one numbers issued. (Some of the contributions are also contained in the Museum Bulletin.)

PUBLICATIONS OF THE PEABODY MUSEUM OF AMERICAN ARCHAEOLOGY AND ETHNOLOGY; namely: ANNUAL REPORTS, twenty-four numbers issued; PAPERS, five numbers issued; MEMOIRS, in preparation.

## RELIGIOUS SERVICES, ETC.

The public religious services of the University are held in Appleton Chapel, and are under the charge of the Plummer Professor of Christian Morals, assisted by a Board of five Preachers, of different denominations, annually appointed. See "THE UNIVERSITY CHAPEL."

## DEGREES.

The degrees of *Bachelor of Arts* (*A.B.*), *Master of Arts* (*A.M.*), *Doctor of Philosophy* (*Ph.D.*), and *Doctor of Science* (*S.D.*) are open to members of the Graduate School, under such regulations as are established, from time to time, by the Faculty of Arts and Sciences.

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The Statutes of the University require that no candidate for any of the ordinary degrees given by the University be recommended for such degree, except after thorough public examination, and a residence at the University of *at least one year*. For the degrees of Doctor of Philosophy and Doctor of Science, longer periods of residence, as fully stated below, are ordinarily required by special Standing Votes.

*No year is counted to a student as a full year of study for a degree which is not devoted to studies approved by the Faculty, or under its authority, as forming a complete year's work for that degree.*

*Candidacy.*

Any Bachelor of Arts of Harvard University may become a candidate for the degree of Master of Arts or of Doctor of Philosophy; and any Bachelor of Science of Harvard University may become a candidate for the degree of Doctor of Science.

A Graduate Student *not a Bachelor of Arts of Harvard University* who wishes to become a candidate for the degree of Bachelor of Arts, Master of Arts, or Doctor of Philosophy must apply to the Committee on Admission from other Colleges to be accepted as qualified for candidacy, or to learn the conditions on which he may be so accepted. Application should be made by filling out a blank which may be obtained at the Secretary's office or that of the Dean of the Graduate School. It should be accompanied by catalogues or calendars of the colleges or other institutions of advanced grade at which the student has previously studied, which must be marked so as to show clearly his course of study there; and also by certificates of his scholarship at such institutions. The Committee will take into account, at their discretion, extra studies pursued by the applicant, studies pursued by him since graduation, teaching of advanced grade, and professional study. *Early application* to the Committee is recommended, in order that the student may have time to conform his plans of study to such conditions as the Committee may impose.

A Graduate Student *not a Bachelor of Science of Harvard University* who wishes to become a candidate for the degree of Doctor of Science must make an application in like manner to the Committee on Admission to the Lawrence Scientific School from other Scientific Schools; presenting similar evidence of study and scholarship.

Any Graduate Student, properly qualified for candidacy, who wishes to become a candidate for a degree, must apply in writing, near the close of the academic year in which he desires to be a candidate, and not later than the *thirtieth day of April*, to the Administrative Board of the Graduate School, to be placed on the list of candidates for the desired degree. He must send in at the same time a precise statement of the field of study or courses of instruction on which he will be prepared

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to offer himself for examination; and he must also state, in case he is an applicant for the degree of Doctor of Philosophy or Science, the title of his thesis. *No Graduate Student can present himself for examination for a degree until his application to be placed on the list of candidates has been granted by the Administrative Board of the Graduate School.* Students may ascertain at any time in the academic year, by application to the Administrative Board, whether their proposed courses and methods of study, if carried on for the required time, will be approved for the degrees sought.

### *The Degrees of A.B. and A.M.*

A Graduate Student may become a candidate for the degree of BACHELOR OF ARTS under such conditions as may be imposed in his case by the Committee on Admission from other Colleges. But, whatever estimate be placed by the Committee on a student's qualifications, no student can, under the statutes, be a candidate for any degree on less than *a full year of residence and study.* The courses offered for the degree must be such as would be approved for a Senior in Harvard College; and these courses must be attended, pursued, and passed, in a satisfactory manner.

The ordinary requirement for the degree of MASTER OF ARTS for a Bachelor of Arts of Harvard University, or for any student who has been accepted (see p. 332), without special conditions, as qualified for candidacy for the degree on the ground of his previous studies, consists of *a full year of residence and study in the Graduate School, devoted to work approved by the Administrative Board of the School as affording suitable preparation for the degree, and completed with high credit.* Special conditions are, however, in some cases imposed on the admission to candidacy of a student who is not a Bachelor of Arts of Harvard University.

The work approved by the Administrative Board of the Graduate School for the degree of Master of Arts may consist, wholly or partly, of research or special study, either in connexion with or outside of the courses of instruction, carried on under the direction or with the criticism and approval of a specified instructor; or it may be made up of courses of instruction of advanced grade, four such courses being ordinarily required as constituting a full year's work. In any case, the programme of study must form *a consistent plan of work, to be pursued with some definite aim*, although it need not lie wholly in one department or field. A student engaged in research or special study as the principal part of his work may, at the discretion of the Administrative Board of the Graduate School, be referred, as a candidate for the degree of Master of Arts, to the Committee on Honors and Higher Degrees in the Division in which such study lies.

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Studies pursued in a Professional School may be approved by the Administrative Board of the Graduate School as constituents of the scheme of study offered for the degree of Master of Arts; but only under the condition that the candidate is precluded from offering any of the same studies, at any time, for a professional degree. A student in a Professional School, not a Bachelor of Arts of Harvard University, who wishes to be a candidate for the degree of Master of Arts, must make application to the Committee on Admission from other Colleges, to be accepted as qualified for candidacy. His studies must be approved for the degree of Master of Arts by the Administrative Board of the Graduate School; and his application for such approval must be made to the Board *on or before the thirtieth day of April.* It is advisable to apply to the Committee and the Board early in the year. All studies offered for the degree of Master of Arts are required to be of advanced grade.

The practice of conferring the degree of Master of Arts *in connexion with a professional degree* has been discontinued; except that students who had completed one year of study for the two degrees before the beginning of the academic year 1892–93 retain the privilege which they had under the former rule. The degree of Master of Arts has also, but with a like exception in favor of rights already acquired, been severed from the degree of Doctor of Philosophy.

### *The Degrees of Ph.D. and S.D.*

For the degree of DOCTOR OF PHILOSOPHY, *two years of residence and study at this University*, devoted to advanced studies, approved as affording suitable preparation for the degree by the Committee on Honors and Higher Degrees in that Division of the Faculty in which the student is to be a candidate, are required of students already qualified for candidacy for the degree.

For the degree of DOCTOR OF SCIENCE, *three years of scientific study*, approved as affording suitable preparation for the degree by the proper Divisional Committee on Honors and Higher Degrees, — at least *two* of these years being years of *residence at this University*, — are required of students already qualified for candidacy for the degree.

A Bachelor of Arts of Harvard University may be excused from one of the two years of residence (not of study) for the degree of Doctor of Philosophy, by special vote of the Faculty of Arts and Sciences; provided the Faculty see sufficient reason for this exemption. A Bachelor of Science of Harvard University may, in like manner, be excused from one of the two years of residence (not of study) for the degree of Doctor of Science, by special vote of the Faculty of Arts and Sciences; and under the same condition. A student who holds the two degrees of Bachelor of

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Arts and Bachelor of Science from Harvard University is excused from one of the three years of study required for the degree of Doctor of Science.

The periods of residence and study named above for the degrees of Doctor of Philosophy and Doctor of Science must be regarded merely as *minimum* requirements. *The requirements of time for the degrees of Doctor of Philosophy and Science are wholly secondary.* These degrees do not rest on any computation of time, or any enumeration of courses; although no student can become a candidate for one of them until he has, in the judgment of the Administrative Board of the Graduate School, fulfilled the requirements of residence and study for the prescribed periods.

The degree of *Doctor of Philosophy* or *Science* is given, not for the mere reason of faithful study for a prescribed time or in fulfilment of a determinate programme, and never for miscellaneous studies, but on the ground of long study and high attainment in a special branch of learning, manifested not only by examinations, but by a thesis, which must be presented and accepted before the candidate is admitted to examination, and must show an original treatment of a fitting subject, or give evidence of independent research.

Any person on whom the University confers the degree of Doctor of Philosophy or Science is thereby recognized as qualified to give instruction to candidates for this degree in the department in which he has taken the degree, and to advance knowledge in that department by his own investigation.

A candidate for the degree of Doctor of Philosophy must offer himself for examination in some one of the following Divisions of the Faculty of Arts and Sciences: Semitic Languages and History; Ancient Languages; Modern Languages; Philosophy; History and Political Science; Music; Pure and Applied Mathematics; Physics; Chemistry; Natural History; American Archaeology and Ethnology. Within his chosen Division, he must name some special field of study, approved as sufficient by the Committee on Honors and Higher Degrees in that Division. He is liable to minute examination on the whole of that special field; and is also required to prove such acquaintance with the subject-matter of his Division in general as the committee in that Division shall require.

A candidate for the degree of Doctor of Science must offer himself for examination on two subjects, or fields of study, in the range of the mathematical, physical, and natural sciences. He must show special attainments in one of these subjects, and is liable to minute examination in the whole ground which it covers; and he is also required to have such general knowledge in the Division to which his special studies belong as the Committee on Honors and Higher Degrees in that Division shall require. His thesis must embody some contribution to science or some special investigation.

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Any student who means to become a candidate for the degree of Doctor of Philosophy or Science must carry on his studies with the approval and under the direction of the Committee on Honors and Higher Degrees in that Division of the Faculty of Arts and Sciences to which his special studies belong. He should give early written notice of his intention to be a candidate to the chairman of the committee; and he should consult the chairman, at suitable intervals, about his plans of study.

An applicant for the degree of Doctor of Philosophy or Science must hand a fair copy of his thesis, on or before the *first day of May*, to the chairman of the committee in his Division; and the chairman has power to reject a thesis not plainly written. No candidate is admitted to examination till his thesis has been approved by the committee; and, on the approval of the thesis, and as early as the *first day of June*, the thesis is deposited, with a certificate of approval signed by a special committee, at the office of the University for inspection by any member of the Faculty.

A successful candidate is allowed to print his thesis as one accepted for the degree, with the certificate of approval and the signatures of the approving committee; and either a printed or a written copy of the thesis and the original certificate must be deposited in the Library, and must be open to public inspection.

The branch of study in which the degree of Doctor of Philosophy or Science is conferred is named in the diploma and in the Quinquennial Catalogue of the University; and the special field of study and the title of the thesis are also named in the Commencement programme and the next following annual Catalogue.

A student who has taken the degree of Master of Arts may count the study and residence, already offered for that degree, towards fulfilling the formal requirements for admission to candidacy for the degree of Doctor of Philosophy also; provided the committee in the proper Division approve such study and residence as suitable to be so counted.

## FELLOWSHIPS AND SCHOLARSHIPS.

The appointments carrying pecuniary aid which are available for Graduate Students for the purpose of enabling them to carry on their studies are divided into Fellowships and Scholarships; the former being the more valuable and important of these appointments, and the latter those of less value. In this classification, the Tyndall Scholarship is included among fellowships.

A list of the fellowships and scholarships open to Graduate Students is given below. It embraces, for the current academic year, *seventy* appointments: — of which eighteen are fellowships, with yearly incomes

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ranging from seven hundred and fifty to four hundred dollars; two are fellowships without stipend; and fifty are scholarships, with yearly incomes ranging from three hundred to one hundred and fifty dollars. This enumeration does not include the Supplementary Foundations, also named below, which may be given by their several trustees to Graduate Students, but are not assigned by the Faculty of Arts and Sciences.

Some of the fellowhips and nearly all the scholarships are restricted to Resident Students; some fellowships and scholarships, by the terms of their foundations, permit study abroad; and some may be used, at the discretion of the Faculty of Arts and Sciences, either as Resident or as Non-Resident Fellowships.

A Non-Resident appointment is awarded only to a graduate of some Department of Harvard University, or to a student who has pursued his studies at this University for several years. But the Resident appointments may be, and some of them are, bestowed on persons not previously members of the University; although a preference is given, in most cases, — especially in regard to the more important appointments, — to students who have already given evidence of their qualification by work done here, in the College, the Graduate School, or some other Department of the University.

*Appointments* to fellowships and scholarships for any academic year are made by the Corporation, on recommendation by the Faculty of Arts and Sciences, towards the close of the preceding academic year. Applications for appointment or reappointment should be sent in during the month of March, and *as early in the month as possible*, in order to facilitate the work of examination and comparison. *Applications received after the last day of March are not ordinarily considered in the regular assignment.* Blanks for applications may be obtained from the Corresponding Secretary of the University or from the Dean of the Graduate School. A new applicant, not already a student at Harvard University, should accompany his application with testimonials from those best qualified to speak with confidence of his qualities, attainments, and promise, and by such other documents as he may think proper to send. All applications should be addressed to *The Committee on Fellowships, Secretary's Office, No. 5, University Hall, Cambridge, Mass.* A few appointments are commonly made after the regular assignment, to fill vacancies arising from withdrawals and otherwise. For these appointments applications made later than the month of March may be considered.

Every Resident holder of a fellowship or scholarship is required to devote himself to studies, constituting *a complete year's work*, for which, as a fellow or scholar, he has obtained the approval of the Administrative Board of the Graduate School; and to do all the work belonging to such studies punctually, regularly, and with high credit. He

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is liable to be deprived of his appointment at any time, if he fail to satisfy this requirement.

Every Non-Resident holder of a fellowship must keep his *address* constantly on file at the office of the Dean of the Graduate School, together with a statement of the *studies* which he is pursuing in fulfilment of the purposes of his appointment, and of the *method in which he is carrying on those studies.* He is also expected to be in frequent communication with the Dean and with some professor of the University, and to submit a report of his work, on applying for reappointment and on retiring from his fellowship.

Every holder of a fellowship or scholarship is expected to *retain his place* throughout the year for which he is appointed, unless compelled to withdraw by stringent reasons; and to engage in *no other occupation*, without leave of the Administrative Board of the Graduate School. A student who resigns a fellowship or scholarship in the course of a year has no claim to any part of the stipend of the fellowship or scholarship. The circumstances of his change of plans are, however, taken into consideration.

*All appointments are made for one year only.* They may be renewed; but none of the higher appointments can be held for more than three years; and they are commonly restricted, in practice, to two years.

The following is a detailed list of Fellowships and Scholarships for the academic year 1895–96: —

## Fellowships.

The Harris Fellowship was founded in 1868 by William Minot, jr., as executor of Henry Harris, with an original endowment of ten thousand dollars. The yearly income of this foundation, now $500, is applied under the following conditions established by the founder: —

"That this income be given to some graduate of acknowledged excellence in one or more departments of literature or science (but not necessarily of the highest college rank), for one or more years; that the recipient satisfy the Corporation of his need of such aid, and his purpose to make the most of it; that residence at Cambridge be required, unless excused for substantial reasons, and that marriage be a disqualification; that studies for the professions of law, theology, or medicine, be excluded from the studies of the recipient; and that the Corporation be authorized to make such other restrictions and conditions as in its judgment will best secure from the recipient his entire devotion to accurate scholarship or the higher branches of science."

The Rogers Fellowships were founded in 1869 by Henry Bromfield Rogers, with an endowment of twenty thousand dollars: —

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". . . For the encouragement and attainment of a higher, broader, and more thorough scholarship than is required or expected of Undergraduates, in all sound literature and learning, except science strictly so called, . . ."

Two fellowships now exist on this foundation, each having an annual income of $750.

The incumbents of these fellowships must be graduates of Harvard College; and must be such persons as, from their "natural gifts, attainments, and general character, intellectual and moral," the Corporation, "after consultation with the Faculty of the College, shall deem best fitted to attain the object contemplated by this donation."

The conditions of incumbency are that every holder of one of these fellowships "shall faithfully devote his time and thoughts to the pursuit of such branches and courses of study as he, with the approbation of the Corporation, may select. That, whilst a recipient of this grant, he shall engage in no studies designed to prepare him for a special profession, nor in any other business or occupation except that of a Proctor of the College, or an occasional examiner of some of the classes, at the request of the Corporation. That, from time to time, he shall be subject to be called upon to give such evidence of his fidelity and proficiency as the Corporation may require, and especially to write essays and dissertations upon such subjects, within the circle of his studies, as they shall designate; and these, when completed, shall be at their disposal."

It was originally provided that an appointment should be made each year from the Senior Class, and that residence in Cambridge should be required; but these conditions were modified, in 1877, so that the Corporation may, at their discretion, appoint graduates of longer standing, and may permit the incumbents to reside abroad for the purpose of study.

The Parker Fellowships. — Four Fellowships of the annual value of $700 each have been created from the income of the bequest of John Parker, Jr., received in 1873. These Fellowships may be held by graduates of Harvard College or of any other Department of the University, for a term not exceeding three years in any case. Appointments to these Fellowships are made annually by the President and Fellows of Harvard College, ordinarily upon recommendation of the Faculty of Arts and Sciences, early in the month of May in each year; but the appointments so made must receive, under the provisions of the founder's will, the approval of the Governor and Chief Justice of the Commonwealth of Massachusetts and the President of the American Academy of Arts and Sciences, or of two of them. The holder of a Parker Fellowship must devote himself to some special course of study approved by the Faculty of Arts and Sciences; he is restricted, during his tenure of the Fellowship,

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from pursuing the usual studies preparatory to a profession (but not necessarily from higher professional studies), and from occupation in teaching or active business; he is liable to be called upon from time to time to give satisfactory evidence of his fidelity and proficiency; and he is liable to lose his appointment, by vote of the President and Fellows, whenever the evidence of his fidelity and proficiency shall be unsatisfactory to the Faculty of Arts and Sciences, or whenever he may become for any reason unfit, in the opinion of the President and Fellows, to hold a Fellowship.

The object of Mr. Parker's bequest is to provide the most thorough education possible for persons who possess uncommon powers in any department of knowledge, or who give promise of developing such powers, but who have not at command the means of paying for a prolonged and costly training. Incumbents of these Fellowships may study abroad, if they prefer.

THE JOHN THORNTON KIRKLAND FELLOWSHIP. — This fellowship, having an endowment of about eleven thousand dollars, was founded in 1873 by GEORGE BANCROFT, LL.D., D.C.L., of the Class of 1817. The incumbent of this Fellowship must, as a rule, have resided at least three years at the University as a member either of the College or of one of the Schools. The Fellowship may be held for three years, and no longer; but the appointment must be renewed from year to year, on evidence that the incumbent is fulfilling the purpose of the endowment. It may be awarded to "any young person likely to distinguish himself in either of the learned professions, or in any branch of Science, or in Architecture, Sculpture, Painting, Music, or Letters." The appointment to this Fellowship is made by the President and Fellows, on recommendation of the Faculty of Arts and Sciences at or about Commencement in each year. The incumbent may study abroad, if he prefer. The yearly income of this Fellowship is now five hundred and fifty dollars.

THE JAMES WALKER FELLOWSHIP. — This fellowship, which has an endowment of ten thousand dollars, yielding an income of five hundred dollars, was established in 1881 by gift of the friends and pupils of the late President Walker. In awarding the Fellowship, the President and Fellows are to give the preference to a student of ethics, metaphysics, and those related branches of knowledge to which Dr. Walker chiefly devoted his life.

THE MORGAN FELLOWSHIPS. — These fellowships are maintained by the President and Fellows from the bequest of HENRY T. MORGAN of New York. Their number and income are subject to variation from year to year. For the year 1895–96, there are four, with an income of five hundred dollars each.

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These fellowships are to be assigned to persons undertaking advanced studies in the departments in which the degrees of Doctor of Philosophy and Doctor of Science are given. The applicant need not have received, or be a candidate for, any academic degree, but must exhibit proof of such previous training, attainments, and capacity, as promise special fitness for the work which he undertakes. The holder of a Morgan Fellowship is required to carry on his studies subject to the approval and under the supervision of the Standing Committee in the department in which his studies lie, to reside in Cambridge through the academic year, and to engage in no other occupation, except such public instruction as may have been approved by the Faculty of Arts and Sciences. The term of appointment to a Morgan Fellowship is one year, but the holder is eligible for appointment for a second term.

The appointments are made annually by the President and Fellows on recommendation of the Faculty of Arts and Sciences.

THE JOHN TYNDALL SCHOLARSHIP, with an annual income of five hundred dollars, was founded in 1885 by Professor TYNDALL, who gave to Harvard College the sum of ten thousand eight hundred dollars, with directions "to apply the whole net income thereof in supporting or assisting to support one or more American pupils who may have shown decided talents in Physics, and preferably such as shall express the determination to devote their lives to the advancement of theoretic science and original investigation in that department of learning.

"Each person so assisted shall be either a graduate or a student in some department of Harvard University, but not necessarily a candidate for a degree.

"His studies and researches may be conducted at such places in America or at such European Universities as may be considered most desirable, and shall be approved by the Academic Council of Harvard University.

"Such assistance may be continued to the same student from year to year so long as may be recommended by the Academic Council; but the appointment must be renewed annually, and only upon satisfactory evidence that the incumbent is fulfilling the purpose of the endowment. The student should be required from time to time to furnish evidence of his fidelity, proficiency, and good character.

"If in the course of any year no student of sufficient ability and promise shall require aid from said fund, or for any reason the whole income of said fund shall not be expended, the surplus may either be added to the principal or may be expended in addition to the income of a subsequent year or years.

"The President and Fellows are authorized at their discretion to impose such conditions and make such requirements upon the recipient of aid from said fund as will best secure his faithful devotion to the purposes of this foundation."

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The ROBERT TREAT PAINE FELLOWSHIP of SOCIAL SCIENCE, established in 1887, has an endowment of ten thousand dollars, the gift of ROBERT TREAT PAINE of the Class of 1855.

The annual income is five hundred dollars, and may be awarded "to one or more graduates of any department of the University, wishing to study either at home or abroad the ethical problems of society, and the efforts of legislation, governmental administration and private philanthropy to ameliorate the lot of the masses of mankind.

"Appointments shall be made for the term of one year only, but may be renewed at the discretion of the President and Fellows."

THE MEMORIAL FELLOWSHIPS. — In 1889 Mr. WILLIAM S. BULLARD of Boston, gave the sum of thirty thousand dollars to found three fellowships in grateful and affectionate remembrance of three friends, and the following fellowships were thereupon established, with a yearly income of four hundred and fifty dollars each: —

THE HENRY LEE MEMORIAL FELLOWSHIP for the study of Political Economy.

THE OZIAS GOODWIN MEMORIAL FELLOWSHIP for the study of Constitutional or International Law.

THE HENRY BROMFIELD ROGERS MEMORIAL FELLOWSHIP for the study of Ethics in its relations to Jurisprudence or to Sociology.

The Memorial Fellowships may, at the discretion of the Faculty of Arts and Sciences, be held by graduates either of this University or of others, and either by resident students at this University or by persons studying abroad.

THE GEORGE GRISWOLD VAN RENSSELAER FELLOWSHIP. Mrs. Schuyler Van Rensselaer has offered the sum of one thousand dollars "for the maintenance of a fellowship for the academic year 1896–97, the money to be given to some member of the Class of 1896 who shall have distinguished himself as a classical scholar, who will engage to spend the year as a student at the American School of Classical Antiquities at Athens or elsewhere in Europe, and who shall be appointed in June, 1896, by you [the President and Fellows] on the nomination of the Department of Classics." This gift was made by Mrs. Van Rensselaer as a memorial to her son, — George Griswold Van Rensselaer, a member of the Class of 1896, who died April 22, 1894, — "with the purpose of testifying to the deep interest which he took in his studies, and especially in those of the classical department, and of reviving recollections of him, at the time of their graduation, in the minds of the classmates with whom he associated so happily."

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THE JOHN HARVARD FELLOWSHIPS. — These fellowships, not at present limited in number, were established in 1895 by the President and Fellows of Harvard College. They are without stipend; but are given on the same grounds of high scholarship and promise, and under the same conditions as to study and report, as the fellowships carrying income. Two fellowships of this class have been awarded for the current academic year.

## SCHOLARSHIPS.

At present, the following twenty-nine scholarships, assignable under the terms of their foundation to either graduate or undergraduate students, are reserved for the enjoyment of graduate students: —

THE GEORGE AND MARTHA DERBY SCHOLARSHIP, with an income of two hundred and fifty dollars. Founded by Miss Martha C. Derby in 1881.

THE CHARLES HAVEN GOODWIN SCHOLARSHIP, with an income of three hundred dollars. Founded in 1889 by Professor William W. Goodwin in memory of his son, a graduate of the Class of 1888. This scholarship is to be assigned at or near the beginning of each academic year to some deserving student who will be benefited by it, but not necessarily to one who is dependent upon such assistance for the ability to remain at the University. The beneficiary must be approved by the Senior Professor of Greek and the Senior Professor of Latin in the University; and he must be either a student in the highest class in Harvard College who is distinguished for his scholarship in Greek and Latin, or a graduate of Harvard College who has distinguished himself there in classical scholarship and is a student of classical philology in the Graduate School of the University.

THE EDWARD RUSSELL SCHOLARSHIP, with an income of two hundred dollars. Founded by Edward Russell of Boston from yearly gifts made during the years from 1877 to 1895, which, with accumulated interest, amounted on July 31, 1895, to five thousand two hundred and eighty-three dollars and nine cents, "to be known the Edward Russell Scholarship, as a memorial to my grandfather of that name, who was graduated at the College in class of 1759; and to my father of same name who was graduated at the College in class of 1803; the income of the same to be given for the assistance of meritorious students of limited pecuniary resources, whether of the undergraduate or graduate department."

THE LEVERETT SALTONSTALL SCHOLARSHIP, with an income of two hundred dollars. Established in 1895 from a bequest of five thousand dollars made by Leverett Saltonstall, of the Class of 1844. The income

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is to be paid annually "to one or more meritorious students, graduate or undergraduate, of the University, who may require such assistance, and who may give decided promise of future usefulness; my descendants and those related to me by consanguinity, when they may be candidates, to be preferred. And I desire that if in the opinion of the President and Fellows it should be desirable to aid a graduate student by an extended course of study at any foreign university, they may pay the income of this fund to such student for the term of one year. In memory of my late honored father and of his devoted attachment to the University, I desire this to be named the Leverett Saltonstall Scholarship."

THE JAMES SAVAGE SCHOLARSHIP, with an income of three hundred dollars. Founded in 1873 by James Savage of Boston, of the Class of 1803.

THE SHATTUCK SCHOLARSHIPS. Seven, with an income of three hundred dollars each, from a bequest made, in 1847, by Dr. George Cheyne Shattuck, Senior, of Boston, A.M., 1807, for the benefit of needy persons of superior merit pursuing atthe College the study of any language or languages, or of mathematics or any branch thereof.

THE THAYER SCHOLARSHIPS. Ten, with an income of three hundred dollars each. In 1857 John Eliot Thayer of Boston bequeathed to several persons named by him, in trust, the sum of fifty thousand dollars, to pay the income thereof to the ten most meritorious scholars in Harvard University who may actually need the same.

THE TOWNSEND SCHOLARSHIPS. Four, with an income of two hundred and fifty dollars each, and one, with an income of two hundred dollars, founded in 1861 by Miss Mary P. Townsend of Boston, by a bequest to the College of twenty thousand dollars, the income of which is to be used for the benefit of indigent scholars.

THE GORHAM THOMAS SCHOLARSHIP, with an income of two hundred dollars. In 1865 Dr. Alexander Thomas of Dorchester, of the Class of 1822, gave three thousand dollars, to found a scholarship in memory of his son, a graduate of the College, of the Class of 1852.

THE TOPPAN SCHOLARSHIP, with an income of three hundred dollars. In 1868 Mrs. Ann Toppan of Portsmouth, N. H., bequeathed five thousand dollars to found a scholarship in memory of her husband, Christopher S. Toppan.

In addition to the above scholarships, which rest on permanent foundations, the following are at present maintained by order of the President and Fellows: —

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UNIVERSITY SCHOLARSHIPS. Twenty, with an income of one hundred and fifty dollars each. The number has been temporarily increased to twenty-one for the current academic year, through the transference to this year of a scholarship which remained vacant in the year 1894–95.

## SUPPLEMENTARY FOUNDATIONS.

Besides the fellowships and scholarships which are in charge of the Faculty of Arts and Sciences, the following foundations are, or may be, available for the benefit of graduate students: —

THE HUMBOLDT FUND; of about nine thousand dollars; founded by subscription in 1870 at the instance of Professor Louis Agassiz, for the encouragement of the study of Zoölogy. The income is applied, with the advice of the Faculty of the Museum of Comparative Zoölogy, towards the maintenance of one or more persons engaged in study at the Museum, the Newport Marine Laboratory, or the Wood's Holl Fish Commission Station.

THE HEMENWAY FELLOWSHIP; founded in 1890 by Mrs. Mary E. Hemenway, to be held by a student of Harvard University, pursuing the study of American Archaeology and Ethnology. It is awarded annually by the Trustees of the Peabody Museum to a student in the Graduate School. The Trustees may require the incumbent to render such assistance to the Peabody Professor of Archaeology or the Curator of the Museum as they think fitting. The present annual value of this fellowship is five hundred dollars.

THE THAW FELLOWSHIP; established in 1890 by Mrs. Mary Copley Thaw, in memory of her husband, the late William Thaw, for "work and research relating to the Indian race of America, or other ethnological and archaeological investigations;" to be awarded by the Trustees of the Peabody Museum. The present annual income of this fellowship is one thousand and fifty dollars; and is now payable, under certain conditions, by the terms of the gift, to a student at the Peabody Museum, nominated by the founder.

THE SCHOLARSHIP OF THE HARVARD CLUB OF SAN FRANCISCO; instituted in 1886 by that club, to be awarded to a graduate of the University of California studying in the Graduate School of this University. The appointment is made annually by the Harvard Club of San Francisco, in consultation with the Faculty of the University of California.

THE SCHOLARSHIP OF THE ROCKY MOUNTAIN HARVARD CLUB; established in 1890 by that club, to be awarded to a promising graduate of a Colorado college or school pursuing his studies at Harvard University.

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The appointment is made annually by a committee of the club. Applications must be sent to the Secretary of the Club, Denver, Col., before June 1st. The award for the ensuing year is announced at the Commencement exercises of the school or college wherein the successful candidate has been a student.

THE SCHOLARSHIP OF THE HARVARD CLUB OF CHICAGO; established in 1893 by that club, and open to graduates of Illinois Colleges. The appointment is made by the club.

THE VIRGINIA BARRET GIBBS SCHOLARSHIP; with an income of two hundred and fifty dollars; founded in 1892 by Mr. Theodore K. Gibbs of New York. This scholarship is to be assigned to "one or more students who may have shown decided talent in Zoölogy and preferably in the direction of marine Zoölogy." The incumbent must be "either a graduate or a student in some Department of Harvard University, but not necessarily a candidate for a degree. His studies and researches may be conducted at the Natural History Laboratories of the Museum of Comparative Zoölogy at Harvard College, at the Newport Marine Laboratory, or at such European Laboratories or other place on the seashore in this country or elsewhere as may be approved by the Faculty of the Museum of Comparative Zoölogy and by the Professors of Zoölogy and Comparative Anatomy of Harvard University." The appointment is made annually by the President and Fellows on the recommendation of the Faculty of the Museum and the Professors of Zoölogy and Comparative Anatomy.

THE ROBERT C. WINTHROP SCHOLARSHIP; with an income of two hundred dollars; established in 1895 from a bequest of five thousand dollars made by Robert C. Winthrop "to my Alma Mater, Harvard College, for a scholarship or scholarships" to "be assigned to the Peabody Museum of Archaeology and Ethnology over which I have presided since its organization." The nomination for this scholarship will for the present be made by the Trustees of the Peabody Museum.

A TABLE AT THE NAPLES ZOÖLOGICAL STATION has been placed at the disposal of the Faculty of the Museum of Comparative Zoölogy.

An applicant must be (or have been recently) a student or instructor at some American University, preferably a person who has taken the degree of Ph.D. or S.D.; he must have published some creditable original investigation, and should be recommended as an able investigator by the professor under whom he has studied. Applicants will please forward to Alexander Agassiz, Director, their recommendations and a statement of their qualifications and of the subject to which they hope to devote themselves. They are requested to state the length of time they desire

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to remain at Naples, and also the earliest and latest dates within which they can avail themselves of the appointment. Applications may be made at any time. The Faculty will, at suitable intervals, make nominations to the President and Fellows.

## PRIZES.

The following prizes are open for competition to Resident Students in the Graduate School. For the subjects and terms of competition, see pp. 147–154.

Two Bowdoin Prizes, of *one hundred dollars* each, for dissertations on subjects in literature and science, and for translations from Greek and Latin.

The Toppan Prize, of *one hundred and fifty dollars*, for the best essay (of sufficient merit) on a subject in Political Science.

The Sumner Prize, of *one hundred dollars*, for the best dissertation on a subject connected with the topic of Universal Peace and the methods by which War may be permanently superseded.

The Dante Prize, of *one hundred dollars*, for the best essay on a subject drawn from the Life or Works of Dante.

The George B. Sohier Prize, of *two hundred and fifty dollars*, for the best thesis presented by a successful candidate for Honors in English or in Modern Literature.

Two Paine Prizes, of *one hundred dollars* each, for essays on the ethical aspect of the modern social questions.

The Ropes Prize, of *two hundred and fifty dollars*, for the best essay on "The Causes of the Russian War of 1812."

## FEES, BONDS, AND EXPENSES.

The annual tuition-fee for a Resident Student in the Graduate School, doing full work, is one hundred and fifty dollars. A student regularly registered, and paying this fee, is entitled to all the general privileges of the University. He has the right to take any courses for which he is qualified, given under the authority of the Faculty of Arts and Sciences; but in laboratory-courses he must pay certain additional special fees, named below.

Students in regular standing in any department of the University, paying the full tuition-fee, are admitted free to any of the instruction and the examinations given in any other department; except exercises carried on in special laboratories.

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A Resident Student who wishes to have the year counted to him as a *complete year of study for any degree*,— as well as *every resident holder of a fellowship or scholarship* not specially exempted, — is required to pay the full tuition-fee of one hundred and fifty dollars; besides special laboratory fees, if he takes any laboratory-course.

The fees for *single courses*, charged to Resident Students who are *not doing full work*, are as follows: —

For any laboratory-course, $150, besides the special laboratory-fees; for any regular course, not a laboratory-course or course of research, $45; for any half-course, not a laboratory-course, $25; for a course of research, or for instruction outside of the regular courses, a sum equal to the fee for one, two, or more courses, according to the number of courses to which the Administrative Board of the Graduate School shall consider it equivalent, as part of the student's work for the year. But the minimum fee charged to any student is $30; and the maximum fee is $150, covering any number of courses.

Every Non-Resident Student, not holding a fellowship, is required to pay at least $30. Non-Resident holders of fellowships are charged no fees.

The special laboratory-fees are as follows: For each laboratory-course in Physics, the fee is $10, which covers all charges. For study in the Chemical laboratories, there is a general fee, which varies from $5 to $30, according to the nature and amount of the work undertaken, and also an individual fee for the use of materials in special investigations and for breakage, and in payment of fines for violation of the laboratory regulations. For laboratory-courses in Natural History (except Mineralogy and Petrography) and in Psychology, the fee is $5, which covers all charges. In the elementary courses in Mineralogy and Petrography, the fee varies from $5 to $10; and in the courses of research in the same department, from $5 to $30.

The fee for the examination for the degree of Ph.D. or S.D. is $30; but this fee is not charged to any candidate who has paid the full tuition-fee of $150 for at least one year as a Graduate Student.

Graduates of the University or of other collegiate institutions desirous of pursuing their studies at Cambridge without guidance, may enjoy the use of the Library on the payment of five dollars a year; but such graduates are not entitled to be classed as students of the University, nor will residence on these terms be accepted as residence constituting membership of the Graduate School or qualifying for any degree.

Members of the Graduate School, except Non-Resident holders of fellowships, must give bonds in the sum of $200, signed by two bondsmen, one of whom must be a citizen of the United States, for the payment of all dues to the University. Instead of filing a bond, any student who

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prefers may pay his fees in advance, and deposit with the Bursar such a sum of money as may be deemed sufficient to secure payment of all other dues to the University. Every student who lives in a College room or boards at Memorial Hall or the Foxcroft Club must file the same bond as an undergraduate ($400), or pay rent for the year in advance, and make a deposit with the Bursar as security for the payment of his board at the rate of $5 a week.

No officer or student of the University is accepted as a bondsman.

The University bills are issued December 22, March 22, and one week before Commencement; and are payable January 12, April 12, and October 10; but the third bill of every candidate for a degree must be paid at least one day before Commencement. Each bill contains one third of the annual charges. When a student withdraws from the School, his whole bill becomes payable at once.

The first third of the academic year begins with the academic year, and ends December 31. The second third begins January 1 and ends March 31. The last third begins April 1 and ends at Commencement.

A student who enters the Graduate School after the beginning of the academic year (paying the tuition-fee of a student doing full work) is charged for instruction from the beginning of the third in which he enters. One who withdraws during the year is charged to the end of the third in which he leaves, if before that time he gives written notice of his withdrawal to the Dean of the Graduate School; otherwise he is charged to the end of the third in which such written notice is given.

Deduction from the full tuition-fee of $150 a year is made for properly notified absence, as follows: for absence for three consecutive months, $30; for absence during the whole year, not including the mid-year and final examinations, or either of them, $100. A student who claims a deduction, on the ground of absence, must present at the Bursar's office a certificate from the Recorder as to the fact and duration of his absence; and in order to obtain such a certificate, he must have given previous notice of his intended absence to the Recorder.

A student not paying the full fee of $150 a year, but paying only for *single courses*, must pay *the whole year's fee* for such courses, without deduction for absence or withdrawal.

Members of any Department of the University can board at cost by joining the Association which uses the great dining-hall of Memorial Hall. The cost of board to the members of this association is ordinarily about $4.10 a week. The Hall opens on the last Wednesday in September.

Upwards of two hundred members of the various Departments of the University are admitted annually to the Foxcroft Club, a coöperative organization having quarters adjoining the College yard. Simple articles of food are furnished to order at cost, making it possible to board

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at the Club for from $2.50 to $3.00 a week. By using the Club's reading room and its reference library, members are enabled to lodge cheaply at a distance from the University or in suburban towns. Applications should be made early.

The HEMENWAY GYMNASIUM is open to all students of the University.

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For information about the Graduate School, application may be made to the *Corresponding Secretary of Harvard University*, No. 5, University Hall, Cambridge, Mass.; or, in term-time, to the *Dean of the Graduate School*, at his office, No. 10, University Hall. *Letters should in all cases be directed to the office, and not to the private address of the officer.*

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# THE DIVINITY SCHOOL.

## FACULTY.

CHARLES W. ELIOT, LL.D., *President.*

CHARLES C. EVERETT, D.D., LL.D., *Dean*, and *Bussey Professor of Theology*,

JOSEPH HENRY THAYER, D.D., LITT.D., *Bussey Professor of New Testament Criticism and Interpretation.*

CRAWFORD H. TOY, A.M., LL.D., *Hancock Professor of Hebrew and other Oriental Languages, and Dexter Lecturer on Biblical Literature.*

FRANCIS G. PEABODY, A.M., D.D., *Plummer Professor of Christian Morals.*

—— ——, *Parkman Professor of Theology.*

EPHRAIM EMERTON, PH.D., *Winn Professor of Ecclesiastical History.*

DAVID G. LYON, PH.D., *Hollis Professor of Divinity.*

JAMES H. ROPES, A.B., *Instructor in New Testament Criticism and Interpretation.*

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JOHN WESLEY CHURCHILL, A.M., *Instructor in Elocution.*

EDWARD HALE, A.B., D.B., *Assistant in Homiletics,*

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ROBERT S. MORISON, A.M., D.B., *Librarian*, and *Secretary of the Faculty.*

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## STUDENTS.

### RESIDENT GRADUATES.

| NAME. | RESIDENCE. | ROOM. |
|---|---|---|
| Berle, Theodore Protas, A.B. (*Oberlin Coll.*) 1890, A.M. (*Ibid.*) 1893, (*Andover Theol. Seminary*) 1893, | *Woburn*, | D. 8. |
| Buckshorn, Louis Henry, (*Meadville Theol. School*) 1895, | *Cincinnati, O.* | 9 Wendell St. |
| Douglass, Harlan Paul, A.B. (*Iowa Coll.*) 1891, (*Andover Theol. Seminary*) 1894, *Williams Fellow*, | *Grinnell, Ia.* | 20 Gray St. |

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| | | |
|---|---|---|
| Elberfeld, Samuel Louis, (*Meadville Theol. School*) 1895, | *Cincinnati, O.* | 9 Wendell St. |
| Hadlock, Edwin Harvey, A.B. (*Soule Coll.*) 1895, (*Boston Univ. School of Theol.*) 1895, | *Islesford, Me.* | 41 Wendell St. |
| Jenkins, Burris Atkins, A.B. (*Bethany Coll.*) 1891, D.B. (*Harv. Univ.*) 1895, *Williams Fellow*, | *Kansas City, Mo.* | 39 Hurlbut St. |
| Johnson, John Edward, A.B. (*Cornell Coll., Ia.*) 1892, D.B. (*Boston Univ.*) 1895, | *Brockton*, | 41 Wendell St. |
| Loring, Robert Sprague, (*Meadville Theol. School*) 1895, | *Newton Centre*, | D. 11. |
| Olmsted, Jeptha Montrose, (*Hamilton Theol. Seminary*) 1892, | *Avon*, | Avon. |
| Pelton, DeWitt Lincoln, A.B. (*Coe Coll.*) 1888, A.M. (*Coll. of New Jersey*) 1890, (*Union Theol. Seminary*) 1892, PH.D. (*Univ. of N. Y.*) 1895, *Williams Fellow*, | *Cedar Rapids, Ia.* | 84 Wendell St. |
| Pinkerton, William Brown, A.B. (*Iowa Coll.*) 1883, A.M. (*Ibid.*) 1886, (*Andover Theol. Seminary*) 1890, | *Rock Rapids, Ia.* | 20 Gray St. |
| Rice, John Wesley, A.B. 1891, D.B. (*Yale Univ.*) 1895, | *Rockland*, | D. 41. |
| Root, Frederick Stanley, LL.B. (*Yale Univ.*) 1874, D.B. (*Ibid.*) 1879, A.M. (*Bowdoin Coll.*) 1889, | *New Haven, Ct.* | 379 Harvard St. |
| Woodman, John Noyes, (*Meadville Theol. School*) 1895, | *Haverhill*, | D. 4. |

SENIOR CLASS.

| | | |
|---|---|---|
| Crooks, Charles Melvis, A.B. (*Ohio State Univ.*) 1892, | *Van Wert, O.* | D. 5. |
| Fraser, Daniel James, A.B. (*McGill Univ.*) 1890, A.M. (*Ibid.*) 1893, D.B. (*Presbyterian Coll., Montreal*) 1893, | *Alberton, P. E. I.* | D. 20. |
| Hahn, Andrew, A.B. 1893, | *Newton*, | Newton. |
| Hall, Angelo, A.B. 1891, | *Georgetown, D.C.* | D. H. 1. |
| Hannum, Harry Oliver, A.B. (*Univ. of Minnesota*) 1893, | *Minneapolis, Minn.* | D. 7. |

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| | | |
|---|---|---|
| Langston, Clarence Adrian, A.B. (*Allegheny Coll.*) 1895, (*Meadville Theol. School*) 1895, | *Massack, Ky.* | D. 12. |
| Langton, Joseph Francis, A.B. (*McGill Univ.*) 1887, (*Presbyterian Coll., Montreal*) 1888, A.M. (*Harv. Univ.*) 1895, | *Montreal, Can.* | 46 Cushing St., [Waltham. |
| MacDonald, Robert, (*Newton Theol. Institution*) 1885, A.B. (*Harv. Univ.*) 1894, A.M. (*Ibid.*) 1895, | *Boston,* | University Road, [Brookline. |
| McKinnon, Norman, (*Bangor Theol. Seminary*) 1892, A.B. (*Bowdoin Coll.*) 1894, | *Stoughton,* | D. 32. |
| Mitchell, Thomas Henry, A.B. (*Toronto Univ.*) 1890, (*Manitoba Presbyterian Coll.*) 1894, | *Ringwood, Ont.* | D. 30. |
| Stearns, Wallace Nelson, A.B. (*Ohio Wesleyan Univ.*) 1891, A.B. (*Harv. Univ.*) 1893, A.M. (*Ohio Wesleyan Univ.*) 1894, | *Madison, O.* | D. 14. |
| Wright, Henry Collier, A.B. (*Ohio Wesleyan Univ.*) 1892, | *Le Roy, O.* | D. 15. |

### Middle Class.

| | | |
|---|---|---|
| Calkins, Raymond, A.B. 1890, A.M. 1894, | *Boston,* | S. 5. |
| Coar, Arthur Herbert, A.B. (*Williams Coll.*) 1894, | *Cambridge,* | 51 Wendell St. |
| Greenman, Lyman Manchester, A.B. 1894, | *Harvard,* | D. 19. |
| Jones, Joseph Henry, A.B. (*Elon Coll.*) 1894, | *Holland, Va.* | D. 6. |

### Junior Class.

| | | |
|---|---|---|
| Douglass, Truman Orville, Jr., A.B. (*Iowa Coll.*) 1894, | *Grinnell, Ia.* | 20 Gray St. |
| Ellis, Arthur Blake, A.B. 1875, LL.B. 1877, | *Boston,* | 16 Louisburg Sq., [Boston. |
| Miller, William Joseph, A.B. (*Trinity Coll.*) 1892, A.B. (*Harv. Univ.*) 1893, | *Newport, Del.* | Warland 3. |
| Patterson, George Leo, A.B. (*Cornell Univ.*) 1895, | *Marshall, Mich.* | D. 10. |
| Stimson, Rufus Whittaker, A.B. 1895, | *Palmer,* | D. 2. |

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| | | |
|---|---|---|
| Stoops, John Dashiell, A.B. (*Dickinson Coll.*) 1894, | *Middletown, Del.* | D. A. |
| Weatherly, Arthur L, A.B. (*Iowa Coll.*) 1892, | *Milford, Ia.* | 20 Gray St. |
| White, Harry, A.B. 1891, A.M. 1894, | *Eatontown, N. J.* | D. 36. |

SPECIAL STUDENTS.

| | | |
|---|---|---|
| Borncamp, John Edward, A.B. (*Univ. of Minnesota*) 1893, | *Valley City, N. D.* | 39 Hurlbut St. |
| Kerkhoff, William Moss, | *Oak Park, Ill.* | 176 Prospect St. |
| Smith, Herbert Scott, A.B. (*Univ. of Mich.*) 1891, A.B. (*Harv. Univ.*)1892, | *Trenton, N. J.* | Lawrence 36. |

## SUMMARY.

| | |
|---|---|
| RESIDENT GRADUATES | 14 |
| SENIOR CLASS | 12 |
| MIDDLE CLASS | 4 |
| JUNIOR CLASS | 8 |
| SPECIAL STUDENTS | 3 |
| TOTAL | 41 |

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**The Constitution of this School prescribes that "every encouragement be given to the serious, impartial, and unbiassed investigation of Christian truth, and that no assent to the peculiarities of any denomination of Christians shall be required either of the instructors or students."**

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# THE DIVINITY SCHOOL.

## COURSES OF INSTRUCTION.

*As more courses are presented than are required for the degree of D.B., a certain amount of election is allowed. Students must, in every case, submit to the Faculty for its approval a list of the studies which they propose to take.*

OLD TESTAMENT.

1. Hebrew. Davidson's Introductory Hebrew Grammar. Explanation of parts of Genesis and of the Psalm-book. *Mon., Wed., Fri., at 11.* Professor LYON.

2. Hebrew (second course). — Hebrew Grammar. Research course. *Tu., Th., at 3.30.* Professor TOY.

3. Jewish Aramaic. Kautzsch's Biblisch-Aramäische Grammatik. — Interpretation of parts of Ezra, Daniel, and the Targums. *Wed., Sat., at 9 (second half-year).* Professor LYON.

4. History of Israel, political and social, from the establishment of royalty till the death of Herod the Great. *Tu., Th., and (at the option of the instructor) Sat., at 11.* Professor LYON.

5. History of pre-Christian Hebrew Literature. *Mon., Tu., Wed., Th., at 2.30 (first half-year).* Professor TOY.
   This course is open to those only who have taken Course 4 or its equivalent.

6. History of the Hebrew Religion, with comparison of other Semitic religions. *Fri., 2.30–4.30.* Professor TOY.
   This course is open to those only who have taken Courses 4 and 5 or their equivalent.

7. Assyrian. Lyon's Assyrian Manual. Delitzsch's Assyrian Grammar. Abel and Winckler's Keilschrifttexte. *Mon., Fri., at 12.* Professor LYON.

8. Assyrian (second course). Delitzsch's Assyrian Grammar. The Chaldean Epic. Letters and Commercial Documents. *Tu., Th., at 12.* Professor LYON.

9. Research course. The instructors will arrange and supervise for any properly prepared student a line of special study on such subject as may be agreed on.

Semitic Seminary. Subject for the year: Critical study of the Books of Samuel. *Fri., at 9.*

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*Other Semitic courses given in the University are open (though not reckoned for the degree of D.B.) to students of the School in regular standing: namely, two in Arabic, each twice a week, one in either Ethiopic or Phoenician, once a week (Phoenician in 1895–96), one in Moslem history, once a week, by Professor* TOY, *and one in Babylonian-Assyrian history, once a week, by Professor* LYON.

## NEW TESTAMENT.

It is the aim of this department to afford a student not merely the opportunity of studying any portion of the New Testament he may select, but also of prosecuting such related studies as are directly tributary to a scholarly knowledge of the sacred volume.

The courses are distributed into two series. Series A consists of courses which are offered annually, viz.: —

1. New Testament Times. — The political, social, moral, and religious condition of the world when Christ appeared. *Wed., Fri., at 9 (first half-year).* Professor THAYER.

2. New Testament Introduction. — The origin, contents, and history of the New Testament writings, together with the formation of the Canon. *Wed., Fri., at 9 (second half-year).* Professor THAYER.

3. Outline lectures on theological encyclopaedia and literature; the characteristics of the New Testament Greek; the Septuagint; textual criticism; study of the Gospels. *Mon., at 10, Wed., at 12 (first half-year).* Professor THAYER.

4. The Teaching of Jesus as contained in the Parables. *Mon., at 10, Wed., at 12 (second half-year).* Mr. ROPES.

5. The Apostolic Age. — Study of the Acts of the Apostles. *Mon., Wed., at 3.30.* Mr. ROPES.

6. Outline lectures on the life of Paul. — Study of the Four Great Epistles. *Mon., Th., at 12.* Professor THAYER.

7. Biblical Interpretation. — Its history, methods, principles, and their application in the study of difficult and debated New Testament passages. *Tu., Fri., at 12.* Professor THAYER.

8. Classical Aramaic (Syriac). Roediger's Chrestomathia Syriaca, ed. 3. The Peshitto version of the New Testament. *Mon., Wed., at 10 (first half-year).* Professor LYON.

Series B comprises courses which will be given from time to time as the wishes of the students and the engagements of the instructors may determine. The courses are sufficiently described by their titles; but

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their treatment will to a considerable degree be moulded by the wishes and needs of students. They are as follows: —

9. The Minor Pauline epistles. *Twice a week.* Mr. ROPES.

10. The Pastoral epistles. *Once a week.* Mr. ROPES.

11. The Catholic epistles. *Tu., Th., at 3.30 (second half-year).* Mr. ROPES.

12. The Epistle to the Hebrews. *Twice a week.* Professor THAYER.

13. The Apocalyptic literature, with special study of the New Testament Apocalypse. *Twice a week.* Mr. ROPES.

14. Biblical theology of the New Testament, centring upon the doctrines of Sin and Redemption. *Tu., Fri., at 12.* Professor THAYER.

15. History of the English Bible, with detailed study of the Revised New Testament. *Tu., at 10.* Professor THAYER.

16. Modern Lives of Christ. *Once a week, half the year.* Professor THAYER.

17. Biblical geography and archaeology. *Once a week, half the year.* Professor THAYER.

18. Selections from the Septuagint, with special reference to the use of the Old Testament in the New. *Once a week.* Professor THAYER.

19. Selections from Greek and Latin writers of special interest to students of the New Testament. *Th., at 10.* For example: —
   *a.* Plutarch on the Delay of the Deity in the punishment of the wicked. The correspondence between Pliny and Trajan.
   *b.* Philo's Legatio ad Gaium and In Flaccum.
   *c.* Josephus against Apion.
   *d.* Selections from the Apocrypha of the Old Testament and of the New.
   *e.* The Apostolic Fathers (selections).
   *f.* The early Christian Apologists (selections).
   *g.* Selections relating to the early history of the Canon.

20. Advanced study and research on such topics as the antecedents and aims of individual students may render advisable. Professor THAYER.

The New Testament Conference meets on the second and fourth Monday evenings of every month to hear and discuss papers upon topics relating to the New Testament.

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### Church History.

1. The first eight Christian centuries. — The conflict of Christianity with Paganism. Origin and development of the Roman Papacy to its alliance with the Frankish State. The Germanic races as the basis of a new Christian civilization. *Tu.*, *Th.*, *at 11.* Professor Emerton.

2. The Middle Ages from Charlemagne to Dante. — Formation of the European States. The Holy Roman Empire. The Roman Papacy as the controlling force in European life. *Tu.*, *Th.*, *at 9.* Professor Emerton.

[3. The era of the Reformation in Europe from the rise of Italian Humanism to the close of the Council of Trent, 1350–1563. *Tu.*, *Th.*, *at 11.* Professor Emerton.]

Omitted in 1895–96.

[4. History of Christian Doctrines. *Tu.*, *Th.*, *at 2.30.* Professor Emerton.]

Omitted in 1895–96.

5. The sources and history of the Canon Law, with a study of the legal foundations of the Protestant churches. *Fri.*, *at 12.* Professor Emerton.

6. Advanced study and research in connection with the Seminary in Mediaeval History. Special topic: Relations of Church and State. *Fri.*, *3–5.* Professor Emerton.

### Comparative Religion.

Studies in the Comparative History of Religions, particularly the Vedic Religion, the Hindu Philosophies, Buddhism, Mazdaism, and the Chinese Religions. *Th.*, *Sat.*, *at 9.* Professor Everett.

### Ethics.

The Ethics of the Social Questions. — The modern social questions: Charity, the Family, Temperance, and various phases of the Labor question in the light of ethical theory. — Lectures, special researches, and required reading. *Tu.*, *Th.*, *Sat.*, *at 10.* Professor Peabody.

### Sociological Seminary.

Subject for the year: The Christian doctrine of the social order. *Tu.*, *7.30–9.30* P.M. Professor Peabody.

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### Theology.

[1. The Philosophy of Religion. — Its rise, problem, and results. Pfleiderer's Philosophy of Religion. Caird's Philosophy of Religion. Caird's Evolution of Religion. Lectures, required reading, and a thesis. *Wed., at 10.* Professor Peabody.]

Omitted in 1895–96.

2. Systematic Theology begun. The psychological basis of religious faith. *Tu., at 9.* Professor Everett.

3. Systematic Theology continued. The content of Christian faith. An elaborate essay on some theological subject is expected from each student taking this course. *Mon., Wed., Fri., at 11.* Professor Everett.

### Homiletics and Pastoral Care.

1. The structure and analysis of sermons. Private criticism, *Fri., at 9, 11, 12, and 1.30.* General exercise, *Fri., at 10.* Mr. Hale.

2. Each student writes six sermons during the year, three of which are preached before the two upper classes and criticized by students and instructor [*Mon., at 2.30*]; the rest are criticized privately [*Wed., at 12*], both as to composition and delivery, in preparation for the public preaching named below. This course may be taken twice. Professor Peabody.

3. The Minister as Pastor, and the history of Christian worship. *Wed., at 10.* Professor Peabody.

[4. The Minister as Preacher, and the history of Christian preaching. *Wed., at 10.* Professor Peabody.]

Omitted in 1895–96.

Courses 3 and 4 are given in alternate years.

### Elocution.

Mr. Churchill meets the students, individually or in small groups, for instruction in Elocution, *Mon., 10–1.30 and 3.30–5.* Mr. Churchill is also present at the class exercises in Homiletics 2, *Mon., at 2.30.*

### General Exercises.

Preaching by students in the Chapel of the School, open to the public. *Once a week.*

Meetings for Religious Conference, conducted by students. *Once in two weeks.*

Evening Prayers, conducted by professors and students.

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## INSTRUCTION IN OTHER DEPARTMENTS OF THE UNIVERSITY.

Students of this School in regular standing are entitled to attend, without extra charge, any exercises in the College, or other departments of the University, for which they may show themselves fitted; except exercises in laboratories. This provision does not apply to Special Students unless they pay fees varying according to the amount of instruction taken.

It is assumed that in every case the larger part of the work of the student will be done in connection with the School.

## LIBRARY.

Students have access to the Divinity School Library, which consists of about 26,500 volumes and 5300 pamphlets; to the College Library, which consists of about 466,000 volumes and is rich in theological literature; and, for consultation, to the other Departmental Libraries, containing over 100,000 volumes.

There is connected with the Divinity School Library a room containing a select theological library, together with special books of reference, to which students have admission during the day and evening.

## THE DEGREE OF BACHELOR OF DIVINITY.

Students properly qualified, who have been connected with the School for not less than one year, and have passed satisfactorily examinations on studies representing thirty hours a week of class work, and on the German language, and written the required theses, may receive the degree of Bachelor of Divinity. Studies representing more than thirteen hours of class work will, however, not be accepted for this purpose in any one year, except in the case of candidates for admission to advanced standing.

Students who are graduates of Harvard College, and have counted Divinity School courses for the degree of A.B., may be allowed to substitute for them the same number of College courses upon the special approval of the Faculty.

*It is recommended that the German required for the degree be taken in the Junior year, as a knowledge of this language will be found of great service during the remainder of the course.*

## THE DEGREE OF MASTER OF ARTS.

Students who are qualified under the conditions required by the Faculty of Arts and Sciences, and who do not intend to apply for the degree of Bachelor of Divinity, may receive the degree of Master of Arts, after

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pursuing for one year at the School a course of theological study accepted by the Administrative Board of the Graduate School of the University as suitable and sufficient for the purpose, and passing with high credit an examination on the same.

## CERTIFICATES FOR SPECIAL STUDENTS.

Special students who have passed a satisfactory examination in one or more subjects, are entitled to a certificate, stating the length of time they have been members of the School, and specifying the subjects in which they have been examined.

## ADMISSION.

*Testimonials.* Candidates for admission must furnish testimonials of character and scholarship.

*Resident Graduates.* Graduates of Theological Schools will be admitted as Resident Graduates to all the privileges of the School, and may, with the approval of the Faculty, pursue such studies as they may select in other departments of the University, it being understood that the greater part of their work is done in connection with the Divinity School.

*Candidates for the degree of D.B.* Candidates for the degree of Bachelor of Divinity must have received the degree of Bachelor of Arts, representing a course of study approved by the Faculty, or must satisfy the Faculty that their education has been equal to that of graduates of the best New England colleges.

*Advanced Standing.* Candidates may be admitted to advanced standing upon satisfactory evidence by examination.

Graduates of other Theological Schools who have the degree of A.B., or who satisfy the Faculty that their education has been equal to that of graduates of the best New England colleges, and bring evidence of high standing in the schools from which they have graduated, may be admitted to the Senior Class without examination, and thus become candidates for the degree of Bachelor of Divinity.

*Special Students.* Persons not candidates for the degree of Bachelor of Divinity may be admitted to the School as Special Students on giving satisfactory evidence of such knowledge of Greek and Latin classics as is ordinarily required for admission to a New England college, and of proficiency in the Greek of the New Testament.

## SCHOLARSHIPS AND OTHER PECUNIARY AID.

With the single exception named in connection with the Williams Fund (that the recipient of that fund must be a Protestant), the pecuniary aid furnished by the School is given without regard to denominational differences.

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No person proposing to enter the School may expect to receive aid, unless he can show a record of at least seventy-five per cent., or its equivalent, on his College examinations, and by his character, and in other respects, gives promise of usefulness, and unless he can give evidence that he needs such help.

If the work in the School of any student who has received help falls below the standard named, or if his course proves in any respect unsatisfactory, such help will be discontinued.

The fitness of persons entering the School as Special Students to receive aid will be determined in part by the record that they bring and in part by their entrance examination.

Resident Graduates, not Williams Fellows, stand on the same footing as other students in regard to scholarships and other pecuniary aid.

Applications for aid (except for the Williams Fellowships) need not be made, and are not considered, until after the student has entered the School.

The funds applicable to beneficiary purposes are as follows: —

1. Ten Scholarships established in the School, varying in their annual income from one hundred to two hundred dollars. They are assigned by the President and Fellows on the recommendation of the Faculty.

These scholarships are: —

The CHAPMAN SCHOLARSHIP, founded by the Rev. George Chapman, with an income of one hundred dollars.

Two CARY SCHOLARSHIPS, founded by Thomas Cary, Esq., with an income of one hundred and twenty dollars each.

Four SCHOLARSHIPS ON THE JACKSON FOUNDATION, founded by Miss Sarah Jackson, with an income of one hundred and sixty dollars each.

The CLAPP SCHOLARSHIP, founded by Joshua Clapp, Esq., with an income of one hundred and eighty dollars.

The KENDALL SCHOLARSHIP, founded on the donation of Miss Nancy Kendall, with an income of one hundred and forty dollars.

The JONAS H. KENDALL SCHOLARSHIP, founded by Jonas H. Kendall, Esq., with an income of two hundred dollars.

2. The income of the bequest of Abner W. Buttrick, Esq., of Lowell, is awarded by the President and Fellows "to such deserving young men as they shall select, to aid them in preparing and educating themselves for the ministry of the Gospel." The annual income of this bequest is about six hundred and forty dollars.

3. The income of the William Pomroy Fund, amounting to about fifty dollars.

4. The income of the Hopkins Fund is awarded by a Board of Trustees to six students, who need aid, who must have received the degree of A.B.,

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who have given evidence of diligent and successful study, and who receive no money or remuneration for services from the University. The shares will probably amount to about three hundred and twenty-five dollars each.

5. The income of the Williams Fund is awarded, by the Society for promoting Theological Education, to students recommended by the Faculty, who comply with the requisitions of that Society. According to the terms of this bequest, the income is to be given to "such indigent students of Theology, resident in Cambridge, as shall be preparing themselves for the ministry, and shall be deemed most meritorious and worthy of assistance;" and "no student shall be debarred of this charity by reason of not having had a degree at a college, or being educated at any other college, or entertaining any peculiar modes of faith, it being always understood that he must be a Protestant."

For the year 1896–97 three Resident Williams Fellowships of $350 each are offered to graduates of this or any other Theological School who purpose to enter the Christian ministry. These Fellowships are intended to encourage advanced theological work of a high order. Applications, accompanied by recommendations and specimens of work, must be sent to Robert S. Morison, Secretary of the Divinity Faculty, as early as May 1st, 1896.

The income of the Williams Fund amounts to about four thousand dollars.

*The incomes from these various sources, exclusive of the Hopkins Fund and the Williams Fellowships, may be so combined that a student who needs and merits help may receive from $150 to $250.*

## EXPENSES AND BONDS.

The average expenses for the year are: —

| | |
|---|---|
| For rent and care of room | $60.00 |
| For tuition | 50.00 |
| For board, 38 weeks | 152.00 |
| For fuel | 25.00 |
| | $287.00 |

To which are to be added the expenses of furniture, washing, and lights.

Students can board at cost by joining the Association which uses the dining-room of Memorial Hall. The cost of board here is expected not to exceed $4.10 per week. The membership is limited, and application should be made before September 15, 1896, to the Auditor of the Dining Association, Memorial Hall.

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Board can also be obtained, for from $2.50 to $3.00 per week, at the Foxcroft Club, which is a coöperative organization furnishing simple articles of food to order at cost. Application should be made early to the Secretary of the Foxcroft Club.

Divinity Hall, the dormitory of the Divinity School, has been rearranged and improved, and contains 43 rooms; Divinity House, in the rear of Divinity Hall, contains 5 rooms. The rooms are unfurnished. Students of strictly limited means may apply for furniture provided under a "Loan Furniture System," at the annual charge of five dollars for a complete set. Such application may be made through the Secretary of the Faculty, and should be made as early as possible. All these rooms are primarily reserved for students of the Divinity School, and will not be assigned to other students until the Thursday on which the academic year begins. On that day a list of the rooms not previously engaged will be posted at the Bursar's office, and applications may be made to him. The Dean of the Divinity School, however, reserves the right of discriminating between applications as the interests of the School may in his judgment dictate.

The rooms range in price as follows:

N. B. In each case the price is for the whole room from the beginning of the academic year until the next Commencement, and includes the daily care of the room.

| | | | | |
|---|---|---|---|---|
| $40. | Divinity Hall | | | Nos. 6, 10; Divinity House No. 4. |
| $45. | " | " | " | 4, 5, 9, 12. |
| $50. | " | " | " | 2, 3, 11, 14, A. |
| $55. | " | " | " | 1, 13; Divinity House No. 2. |
| $60. | " | " | " | 20, 22, 24, 34, 38; Divinity House No. 5. |
| $65. | " | " | " | 18, 21, 26, 28, 32, 40, 42; Divinity House No. 1. |
| $70. | " | " | " | 7, 8, 35, 36. |
| $75. | " | " | " | 16, 27, 30, 41; Divinity House No. 3. |
| $80. | " | " | " | 15, 17, 19, 23, 25, 29, 31, 33, 37, 39. |

*Application for rooms should be made as early as possible in order that a choice may be secured.*

*The Bursar may cancel the assignment of a room to any student who does not take possession of it on or before the first day of October.*

The term-bills are issued December 22, March 22, and one week before Commencement, and are to be paid respectively on or before January 12, April 12, and October 10; but the third bills of candidates for degrees must be paid at least one day before Commencement. Each bill will contain one third of the annual charges. When a student severs his connection with the School, his whole bill becomes payable at once.

The fee for instruction is $50 a year. A student who joins the Divinity School after the beginning of the academic year will be charged for instruction from the beginning of the third in which he joins. One who

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leaves during the year will be charged for instruction only to the end of the third in which he leaves, if before that time he gives written notice of his withdrawal to the Secretary of the Faculty; otherwise he will be charged for instruction to the end of the third in which such written notice is given. The first third begins at the beginning of the academic year and ends December 31. The second third begins January 1 and ends March 31. The last third begins April 1 and ends at Commencement.

Every student must file a bond with the Bursar in the sum of $200, signed by two bondsmen, one of whom must be a citizen of the United States, as security for the payment of his dues to the University; or he may deposit with the Bursar $200 in money or in United States bonds, for the same purpose; or he may deposit $50 as security, and pay his tuition fees in advance as follows: — one third on or before October 1, one third on or before January 1, and one third on or before April 1. Any student who takes advantage of the last rule must pay in advance the full year's rent of any room which may be assigned to him, and, if he boards at Memorial Hall, must make a deposit at the rate of $5 a week in advance. Interest is not allowed on deposits. No officer or student of the University will be accepted as a bondsman.

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The Academic year begins on the Thursday following the last Wednesday in September. The annual Commencement is held on the last Wednesday in June. The vacation begins at Commencement and ends on the last Wednesday in September. The Christmas recess begins on the 23d of December, and ends on the 2d of January. The Spring recess begins on the Sunday next preceding the 19th of April, or on the 19th of April when that day falls on Sunday, and ends on the following Saturday, both days inclusive. The twenty-second day of February, the thirtieth day of May, and Thanksgiving day are holidays.

Every student is expected to be present at the beginning of the year.

Further information will be furnished, if desired, on application to Robert S. Morison, Secretary of the Divinity Faculty.

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## TABULAR VIEW OF THE EXERCISES IN HARVARD DIVINITY SCHOOL. 1895-96.

| | MONDAY. | TUESDAY. | WEDNESDAY. | THURSDAY. | FRIDAY. | SATURDAY. |
|---|---|---|---|---|---|---|
| 9–10 | | Church History 2.<br>Theology 2. | New Test. 1,[a] 2.[b] | Church History 2.<br>Comp. Religion. | New Test. 1,[a] 2.[b]<br>Semitic Seminary.<br>Homiletics 1 or 2 (*pr. crit.*). | Comp. Religion. |
| 10–11 | New Testament 3.[a]<br>New Testament 4.[b]<br>New Testament 8.[a]<br>Elocution. | New Testament 15.<br>Ethics. | New Testament 8.[a]<br>Homiletics 3. | New Testament 19.<br>Ethics. | Hom. 1 (*general*). | Ethics. |
| 11–12 | Old Testament 1.<br>Theology 3.<br>Elocution. | Old Testament 4.<br>Church History 1. | Old Testament 1.<br>Theology 3. | Old Testament 4.<br>Church History 1. | Old Testament 1.<br>Theology 3.<br>Homiletics 1 or 2 (*pr. crit.*). | |
| 12–1 | New Testament 6.<br>Elocution.<br>(from 12 to 1.30). | Old Testament 8.<br>New Testament 14. | New Testament 3.[a]<br>New Testament 4.[b]<br>Hom. 2 (*pr. crit.*). | Old Testament 8.<br>New Testament 6. | New Testament 14.<br>Church History 5.<br>Homiletics 1 or 2 (*pr. crit.*). | |
| 1.30–2.30 | | | | | Homiletics 1 or 2 (*pr. crit.*). | |
| 2.30–3.30 | Old Testament 5.[a]<br>Homiletics 2. | Old Testament 5.[a] | Old Testament 5.[a] | Old Testament 5.[a] | Old Testament 6. | |
| 3.30–4.30 | New Testament 5.<br>Elocution. | New Test. 11.[b] | New Testament 5. | New Test. 11.[b] | Old Testament 6.<br>Church History 6.<br>(from 3 to 5). | |
| 4.30–5 | Elocution (*general exercise*). | | | | | |

[a] First half-year. [b] Second half-year.

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# THE LAW SCHOOL.

## FACULTY.

CHARLES WILLIAM ELIOT, LL.D., *President.*
JAMES BARR AMES, A.M., LL.B., *Dean*, and *Bussey Professor of Law.*
CHRISTOPHER C. LANGDELL, LL.D., *Dane Professor of Law.*
JAMES BRADLEY THAYER, LL.D., *Weld Professor of Law.*
JEREMIAH SMITH, LL.D., *Story Professor of Law.*
JOHN CHIPMAN GRAY, LL.D., *Royall Professor of Law.*
EUGENE WAMBAUGH, LL.D., *Professor of Law.*
JOSEPH HENRY BEALE, A.M., LL.B., *Assistant Professor of Law.*
SAMUEL WILLISTON, A.M., LL.B., *Professor of Law.*

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FRANK BREWSTER, A.M., LL.B., *Instructor in the Peculiarities of Massachusetts Law and Practice.*
—— —— *Lecturer on Pleading and Practice under the New York Code of Civil Procedure.*

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JOHN H. ARNOLD, *Librarian.*

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## STUDENTS.

### THIRD YEAR.

| NAME. | RESIDENCE. | ROOM. |
|---|---|---|
| Allen, John Weston, A.B. (*Yale Univ.*) 1893, | *New Haven, Conn.* | Felton Building 11. |
| Arnold, James Dwight, A.B. 1894, | *N. Abington,* | M. 41. |
| Ayer, Walter, A.B. 1893, | *Chicago, Ill.* | Hilton Block 12. |
| Baldwin, Martin Tuttle, A.B. (*Amherst Coll.*) 1893, | *Burlington, Ia.* | 10 Mellen St. |
| Barlow, Charles Lowell, A.B. 1893, | *New York, N. Y.* | 52 Brattle St. |
| Bell, Gordon Knox, A.B. 1893, | *New York, N. Y.* | W. H. 53. |

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|---|---|---|
| Berry, Henry Newhall, A.B. 1893, | *Lynn*, | C't 46. |
| Blake, Henry Fordyce, A.B. 1893, | *Brookline*, | 37 Carlton St., [Brookline. |
| Bowersock, Justin DeWitt, A.B. 1892, | *Lawrence, Kans.* | P. 57. |
| Bowler, Robert Pendleton, A.B. 1893, | *Bar Harbor, Me.* | 52 Brattle St. |
| Buckminster, William Read, A.B. 1894, | *Malden*, | 24 Farwell Pl. |
| Cass, Edward Smith, A.B. (*Amherst Coll.*) 1893, | *Rochelle, Ill.* | 20 Mellen St. |
| Catlin, Donald Cameron, A.B. (*Illinois Coll.*) 1888, A.M. (*Ibid.*) 1891, | *Jacksonville, Ill.* | 43 Irving St. |
| Clark, Frank Wells, A.B. (*W. Va. Univ.*) 1890, LL.B. (*Ibid.*) 1891. | [*W. Va.* *New Martinsville*, | C. 51. |
| Coffin, Edward Russell, A.B. 1893, | *Lynn*, | W. H. 37. |
| Cook, Otis Seabury, | *New Bedford*, | W. H. 5. |
| Coolidge, Harold Jefferson, A.B. 1892, | *Boston*, | 52 Brattle St. |
| Cottrell, William Norman, S.B. (*Illinois Wesleyan Univ.*) 1891, A.B. (*Harvard Univ.*) 1893, | *Mason City, Ill.* | W. H. 24. |
| Cushman, Robert, A.B. (*Brown Univ.*) 1893, | *Providence, R. I.* | 14 Trowbridge Pl. |
| Dacy, Albert Edgar, B.L. (*Notre Dame Univ.*) 1893, | *Woodstock, Ill.* | H'ke 2. [Boston. |
| Damon, Everett Flint, | *Boston*, | 150 Chandler St., |
| Davis, Joseph Marcus, | *Grand Rapids, Mich.* | 58 Hammond St. |
| Deavitt, Edward Harrington, PH.B. (*Univ. of Vt.*) 1893, | *Montpelier, Vt.* | 61 Oxford St. |
| Dibblee, Albert James, A.B. 1893, | *Ross, Cal.* | 57 Brattle St. |
| Dowling, Harry McCabe, A.B. (*De Pauw Univ.*) 1893, | *New Albany, Ind.* | 345 Harvard St. |
| Eaton, John Edgar, A.B. (*Acadia Univ.*) 1890, A.B. 1893, | *Truro, N. S.* | Hilton Block 4. |
| Elliott, George Blow, C.E. (*Va. Military Institute*) 1892, | *Wilmington, N. C.* | Claverly 38. [bury. |
| Ellis, David Abram, A.B. 1894, | *Roxbury*, | 75 Dale St., Rox- |
| Elmore, Samuel Dean, A.B. 1893, | *Hartford, Conn.* | 473 Broadway. |
| Fearing, George Richmond, Jr., A.B. 1893. | *Newport, R. I.* | Manter Block 3. [Boston. |
| Fiske, Charles Henry, Jr., A.B. 1893, | *Weston*, | 405 Marlborough St., |

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|---|---|---|
| Frothingham, Louis Adams, A.B. 1893, | *Boston*, | [Boston. 29 Gloucester St., |
| Garfield, Irvin McDowell, A.B. (*Williams Coll.*) 1893, | *W. Mentor, O.* | Winthrop 26. |
| Gaulin, Alphonse, Jr., A.B. (*Laval Univ., Montreal*) 1893, | *Woonsocket, R. I.* | 409 Broadway. |
| Gerald, Albert Knight, A.B. (*Brown Univ.*) 1893, | *Cambridge*, | 19 Trowbridge St. |
| Goodell, Rufus Talmage, A.B. (*Amherst Coll.*) 1892, | *Denver, Colo.* | 39 Irving St. |
| Hall, Edward Kimball, A.B. (*Dartmouth Coll.*) 1892, | *Shelburne Falls*, | 9 Wendell St. |
| Hand, Billings Learned, A.B. 1893, A.M. 1894, | *Albany, N. Y.* | 52 Brattle St. |
| Harwood, John Henry, A.B. 1893, | *Newton*, | IvanhoeSt., Newton. |
| Hebard, Alfred Partridge, A.B. 1889, | *St. Louis, Mo.* | Ware 14. |
| Hickey, James Henry, A.B. 1893, | *Cambridge*, | G. 37. |
| Hickox, Charles Ralph, Jr., A.B. (*Yale Univ.*) 1893, | *New York, N. Y.* | 18 Mason St. |
| Hiler, Ernest Osgood, A.B. 1893, | *Jamaica Plain*, | T. 26. |
| Howe, William DeLancey, A.B. 1893, | *Cambridge*, | 14 Concord Ave. |
| Howes, Edwin Alliston, A.B. 1894, | *Cambridge*, | S. 18. |
| Jenkins, George Raymond, A.B. (*Beloit Coll.*) 1892, | *Chicago, Ill.* | 40 Kirkland St. |
| Kemmerer, John Leisenring, A.B. (*Amherst Coll.*) 1893, | *Mauch Chunk, Pa.* | Ware 8. |
| Kendricken, John Martin, A.B. 1893, | *Roxbury*, | 96 Prescott St. |
| Kent, Everett Edward, S.B. (*Worcester Poly. Inst.*) 1893, | *Worcester*, | Felton Building 11. |
| Lacey, Edward Norman, A.B. (*Amherst Coll.*) 1890, | *Asylum Station*, | 32 Mellen St. |
| Lawrence, Van Courtlandt, | *Boston*, | Hotel Gladstone, [Boston. |
| McClaughry, Harry Hull, A.B. (*Univ. of Cal.*) 1893, | *Galt, Cal.* | 1686 Cambridge St. |
| Matteson, Archibald Claflin, A.B. (*Brown Univ.*) 1893, | *Providence, R. I.* | 1683 Cambridge St. |
| Meehan, William Patrick, A.B. 1894, | *Jamaica Plain*, | [Jamaica Plain. Washington St., |
| Millan, Albion Leroy, A.B. 1893, | *Cambridge*, | 12 De Wolf St. |
| Miller, Romanta Tillottson, Jr., PH.B. (*Oberlin Coll.*) 1891, | *Scottsville, N. Y.* | 16 Oxford St. |

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|---|---|---|
| Minton, John Michael, A.B. 1894, | *Jamaica Plain*, | Orchard Ave., [Jamaica Plain. |
| Monette, Joseph, A.M. (*Laval Univ., Montreal*) 1891, | *Woonsocket, R. I.* | 409 Broadway. |
| Moore, Fred Wadsworth, A.B. 1893, | *Cambridge*, | 390 Harvard St. |
| Morse, George Albert, A.B. (*Amherst Coll.*) 1891, | *Salem*, | 16 Oxford St. |
| Mulford, Roland Jessup, A.B. 1893, | *Friendsville, Pa.* | C't 17. |
| O'Connell, Joseph Francis, A.B. (*Boston Coll.*) 1893, | *Dorchester*, | 13 Bowdoin St., [Dorchester. |
| Ogden, Hugh Walker, A.B. (*Univ. of Penn.*) 1890, A.M. (*Ibid.*) 1894, | *Woodfords, Me.* | 55 Trowbridge St. |
| Ottis, Frank Joseph, A.B. (*Creighton Univ.*) 1891, | *Humphrey, Neb.* | D. 16. |
| Parker, Horace Earl, | *Mason City, Ia.* | 55 Hammond St. |
| Peabody, Clarence Webster, A.B. (*Bowdoin Coll.*) 1893, | *Portland, Me.* | 11 Sumner St. |
| Peacock, Walter John, | *Worcester*, | 1683 Cambridge St. |
| Pike, Charles Burrall, A.B. 1893, | *Chicago, Ill.* | Beck 47. |
| Quigley, William Alfred, A.B. 1894, | *Cambridge*, | 34 Mellen St. |
| Reade, Charles Milton, A.B. 1894, | *Cambridge*, | F. 2. |
| Rogers, Edward Hartwell, A.B. 1893, | *Cambridge*, | 53 Norfolk St. |
| Rothwell, Thomas Harwood, A.B. (*Brown Univ.*) 1893, | *Providence, R. I.* | 61 Oxford St. |
| Ryan, John McNulty, A.B. (*Georgetown Coll.*) 1893, | *Galena, Ill.* | 5 Felton St. |
| Sanders, Clarence Elmer, A.B. (*Illinois Coll.*) 1889, | *Jacksonville, Ill.* | 43 Irving St. |
| Saville, Huntington, A.B. 1893, | *Cambridge*, | 57 Shepard St. |
| Sherwood, Howard Cocks, A.B. 1893, | *New York, N. Y.* | Winthrop 28. |
| Slee, Frederick Caldecott, | *Auburn, N. Y.* | Felton Building 33. |
| Stetson, Henry Crosby, A.B. (*Yale Univ.*) 1893, | *Bangor, Me.* | 48 Buckingham St. |
| Stewart, Ralph Aldace, PH.B. (*Univ. of Vermont*) 1893, | *Wallingford, Vt.* | 9 Wendell St. |
| Stone, Walter Coolidge, A.B. 1894, | *E. Watertown*, | [Boston. |
| Story, Oliver Howard, A.B. (*Amherst Coll.*) 1893, | *Gloucester*, | 19 Rutland St. |

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|---|---|---|
| Sturgis, Charles Russell, A.B. 1893, | *Boston*, | 63 Beacon St., [Boston. |
| Tarr, Frederick Hamilton, A.B. (*Amherst Coll.*) 1891, | *Rockport*, | 7 Mellen St. |
| Thwaits, Frederick Charles, A.B. 1893, | *Milwaukee, Wis.* | W. H. 24. |
| Twombly, John Fogg, A.B. 1894, | *New York, N. Y.* | |
| Upton, Joshua Damon, A.B. 1893, | *No. Reading*, | H'ke 24. |
| Vail, Davis Righter, A.B. 1893, | *Lyndon Centre, Vt.* | Claverly 28. |
| Ware, Henry, A.B. 1893, A.M. 1894, | *Brookline*, | Allerton St., [Brookline. |
| Webb, Willoughby Lane, LL.B. (*Columbian Univ.*) 1893, | *Washington, D. C.* | D. H. 1. |
| Wellington, Arthur Jefferson, A.B. 1894, | *Arlington*, | 8 Maple St., Arlington. |
| Whitford, Edward Dwight, A.B. 1892, | *Waltham*, | P. 82. |
| Wiggin, Joseph, A.B. 1893, | *Malden*, | H'ke 50. |
| Woodman, William Hanscome, A.B. (*Bates Coll.*) 1890, | *Melrose*, | Melrose. |
| Wurts-Dundas, Ralph, | *Philadelphia, Pa.* | 1734 Cambridge St. |
| Young, Frank Lester, A.B. 1893, | *Harvard, Ill.* | S. 3. |

## Second Year.

| | | |
|---|---|---|
| Archer, Franklin Morse, A.B. (*Princeton Coll.*) 1894, | *Camden, N. J.* | 16 Oxford St. |
| Arnold, Wilfred, S.B. (*Knox Coll.*) 1894, | *Galesburg, Ill.* | M. 39. |
| Bacon, Henry Selden, A.B. (*Yale Univ.*) 1893, | *Rochester, N. Y.* | 61 Wendell St. |
| Barnum, Samuel, A.B. 1894, | *Topeka, Kan.* | D. 25. |
| Beals, Gardner, A.B. 1894, | *Boston*, | H'ke 29. |
| Bell, Winston, | *Boston*, | 77 Emerald St., [Boston. |
| Bennett, Edward Mellen, A.B. 1893, | *Wayland*, | Wayland. |
| Bishop, Elias Bullard, A.B. 1894, | *Newton Centre*, | Newton Centre. |
| Blackhurst, Emmett Warren, A.B. (*N. Ind. Nor. School*) 1890, | *Blandinsville, Ill.* | 24 Leonard Ave. |
| Bordman, John, Jr., A.B. 1894, | *Concord*, | Concord. |
| Bridgham, Samuel Willard, PH.B. (*Brown Univ.*) 1894, | *E. Providence, R. I.* | 1671 Cambridge St. |

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|---|---|---|
| Brown, Henry Park, S.B. (*Centre Coll.*) 1893, | *London, Ky.* | 62 Trowbridge St. |
| Bullock, Chandler, A.B. 1894, | *Worcester,* | 12 Kirkland Pl. |
| Burr, Calvin, A.B. (*Yale Univ.*) 1894, | *Auburn, N. Y.* | Winthrop 20. |
| Cahn, Louis Mayer, A.B., 1895, | *Ashland, O.* | M. 11. |
| Campbell, Douglas, A.B. (*Union Coll.*) 1894, | *New York, N. Y.* | 14 Rutland St. |
| Campbell, Francis A., A.B. (*Mt. St. Mary's Coll.*) 1886, | *Brookline,* | [Brookline. 670 Washington St., |
| Campbell, James Shaw, A.B. (*Princeton Coll.*) 1894, | *Sewickley, Pa.* | 16 Oxford St. |
| Carter, Albert Paine, A.B. 1894, | *Newtonville,* | W. H. 55. |
| Christy, Bayard Henderson, A.B. (*Williams Coll.*) 1894, | *Sewickley, Pa.* | Winthrop 31. |
| Clark, Edward Everett, A.B. 1894, | *Cambridge,* | 21 Prince St., Cambridge. |
| Clark, Harry Worthy, PH.B. (*Buchtel Coll.*) 1894, | *Chardon, O.* | [Boston. 65 Hammond St., |
| Clarkson, Coker Fifield, A.B. 1894, | *New York, N. Y.* | 10 Oxford St. |
| Conger, John Newton, Jr., S.B. (*Lombard Univ.*) 1893, | *Galesburg, Ill.* | 42 Kirkland St. |
| Corliss, William Friend, A.B. 1894, | *Gloucester,* | S. 29. |
| Crosby, John Francis, A.B. 1894, | *Newton,* | Newton. |
| Cushing, George Marston, A.B. 1894, | *Milton,* | [Boston. 409 Marlboro St., |
| Cutler, William Washburn, A.B. 1894, | *St. Paul, Minn.* | W. H. 55. |
| Dallinger, Frederick William, A.B. 1893, A.M. 1894, | *Cambridge,* | S. 4. |
| Denman, William, B.LIT. (*Univ. of California*) 1894, | *San Francisco, Cal.* | 1716 Cambridge St. |
| DeNormandie, Charles Lunt, A.B. 1893, | *Roxbury,* | 10 Ash St. |
| Dickinson, Alexander, A.B. 1894, | *Cambridge,* | 17 Gray St. |
| Dodge, Nathan Phillips, Jr., A.B. 1895, | *Council Bluffs, Ia.* | Winthrop 32. |
| Dodge, Robert Gray, A.B. 1893, A.M. 1895, | *Newburyport,* | W. H. 37. |
| Donworth, Eugene Clement, | *Machias, Me.* | 12 Kirkland Pl. |
| Dow, Charles Howard, A.B. 1892, | *Exeter, N. H.* | 421 Broadway. |

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Dyer, Henry Chouteau, A.B. 1894, *St. Louis, Mo.* H'y 9.
Fitzgerald, McCoy, A.B. (*Univ. of California*) 1894, *San Francisco, Cal.* 40 Irving St.
Flaherty, Michael Thomas, A.B. (*Holy Cross Coll.*) 1894, *Whitinsville,* 67 Oxford St.
Gallert, David Jacque, A.B. 1894, *Waterville, Me.* P. 61.
Gates, Elias, PH.B. (*Univ. of Pennsylvania*) 1894, *Memphis, Tenn.* 13 Kirkland Pl.
Gleason, Charles Bemis, A.B. 1894, *Medford,* H. 29. [Brookline.
Glidden, Joseph Warren, A.B. 1894, *Newcastle, Me.* Clyde St.,
Goldstein, Moses Montefiore, *Titusville, Pa.* 1734 Cambridge St.
Goodwin, Clarence Norton, A.B. (*Syracuse Univ.*) 1894, *Chicago, Ill.* H'y 15.
Goreth, Frank William, A.B. (*Syracuse Univ.*) 1891, A.M. (*Ibid.*) 1894, *Baldwinsville, N. Y.* C. 60.
Gram, Jesse Peter, PH.B. (*Oberlin Coll.*) 1892, *Gnadenhutten, O.* 12 Howland St.
Gray, George Arthur, A.B. 1894, *Fall River,* T. 31.
Greenfield, Arthur Dustan, A.B. 1894, *Clifton, N. Y.* T. 4.
Hall, James Parker, A.B. (*Cornell Univ.*) 1894, *Jamestown, N. Y.* 10 Mellen St.
Halloran, James Ambrose, *Concord, N. H.* 12 Sumner St.
Ham, Livingston, A.B. (*Brown Univ.*) 1894, *Providence, R. I.* 13 Trowbridge Pl.
Hathorn, Ralph LaForest, PH.B. (*Univ. of California*) 1893, *San Francisco, Cal.* 46A Trowbridge St.
Hay, Logan, A.B. (*Yale Univ.*) 1893, *Springfield, Ill.* Winthrop 11.
Hennessy, Joseph, A.B. (*Holy Cross Coll.*) 1893, *Lowell,* [Lowell. 357 Market St.,
Herald, Ernest Benard, *Seattle, Wash.* 29 Sacramento St.
Hervey, Everett Pray, A.B. 1894, *Boston,* Ware 22. [Boston.
Homans, Robert, A.B. 1894, *Boston,* 164 Beacon St.,
Hopkins, William Swinton Bennett, Jr. *Worcester,* 12 Kirkland Pl.
Hubbell, John Dana, A.B. 1895, *Beverly, O.* 1208 Mass. Ave.
Hurt, Holden Howard, A.B. (*William Jewell Coll.*) 1894, *Kansas City, Mo.* P. 33. [Newton.
Hutchinson, Harold, A.B. 1893, *Newton,* 62 Jefferson St.,
Hyde, Benjamin Dwight, A.B. (*Amherst Coll.*) 1894, *Boston,* Ware 22.

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| Ingersoll, Charles Edwin, | *Washington, D. C.* | 8 Ellery St. |
| Ingle, John, Jr., PH.B. (*De Pauw Univ.*) 1893, | *Evansville, Ind.* | 34½ Shepard St. |
| Jenney, Lester Winfield, | *Mattapoisett,* | 6 Irving Pl. |
| Jones, Matt Bushnell, A.B. (*Dartmouth Coll.*) 1894, | *Waitsfield, Vt.* | 9 Wendell St. |
| Joslyn, Marcellus Lindsey, S.B. (*Notre Dame Univ.*) 1893, | *Woodstock, Ill.* | Winthrop 18. |
| Joyce, Maurice Vincent, A.B. (*St. Louis Univ.*) 1893, | *East St. Louis, Ill.* | 1132 Mass. Ave. |
| Kirby, John Patrick, | *Chicopee,* | 67 Oxford St. |
| Kirkpatrick, John Bayard, A.B. 1894, | *Newark, N. J.* | 96 Prescott St. |
| Knudsen, Eric Alfred, A.B. 1894, | *Kauai, H. I.* | Wadsworth 9. |
| Kollmyer, William Hector Saunderson, A.B. (*McGill Univ.*) 1892, | *Montreal, Can.* | 8 Ellery St. |
| Kubli, K. K., A.B. (*Oregon State Univ.*) 1893, | *Portland, Ore.* | 61 Oxford St. |
| Lakin, Herbert Conrad, A.B. 1894, | *Worcester,* | S. 30, |
| Long, Henry Crawford, B.S.D (*Mo. State Normal Sch.*) 1884, M.S.D. (*Ibid.*) 1888, M.S. (*Drake Univ.*) 1890, | *Cambridge,* | 109 Hammond St. |
| McDonald, James Athanasius, A.B. 1894, | *Boston,* | [Charlestown. 116 Main St., |
| McKean, Frederick George, Jr. | *Washington, D. C.* | P. 86. |
| McKillip, Patrick Emmet, A.B. (*Creighton Univ.*) 1894, | *Omaha, Neb.* | C. 38. |
| McKnight, Edwin Toil, A.B. (*Univ. of New Brunswick*) 1894, | *St. John, N. B.* | 8 Ellery St. |
| McKnight, William Gelon, S.B. (*Rutger's Coll.*) 1893, | *Washington, D. C.* | P. 3. |
| Mahorner, Matthias, Jr., A.B. (*Spring Hill Coll.*) 1894, | *Macon, Miss.* | 1699 Cambridge St. |
| Malone, Llewellyn John, | *Cambridge,* | C. 63. |
| Markle, Minor Millikin, A.B. (*Miami Univ.*) 1893, A.M. (*Ibid.*) 1894, | *St. Joseph, Mo.* | H. 3. |
| Marsh, Arthur Merwin, A.B. (*Yale Univ.*) 1892, | *Bridgeport, Conn.* | 6 Mason St. |
| Marshall, Frank Dennett, | *York, Me.* | T. 49. |
| Martin, Bradley, Jr., A.B. (*Oxford Univ.*) 1894, | *New York, N. Y.* | 48 Brattle St. |

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| Morley, John Edward, A.B. (*Yale Univ.*) 1894, | *Saginaw, Mich.* | C't 28. |
| Morrison, Charles John, A.B. 1895, | *Calumet, Mich.* | H'y 5. [Worcester. |
| Moss, Edward Arthur David, | *Worcester,* | 175 Chandler St., |
| Moulton, William Brooks, A.B. 1895, | *Chicago, Ill.* | 34½ Shepard St. [Arlington. |
| Mulqueeney, Daniel Joseph, A.B. 1894, | *Arlington,* | 21 Henderson St., |
| Newell, George Snow Taft, Jr. A.B. 1895, | *Pawtucket, R. I.* | Winthrop 4. |
| Niles, George Caspar, A.B. 1894, | *Boston,* | 301 Beacon St., |
| Page, Edward Samuel, A.B. 1895, | *Melrose,* | P. 30. [Boston. |
| Parmelee, Henry Francis, PH.B. (*Yale Univ.*) 1894, | *New Haven, Conn.* | Winthrop 21. |
| Parry, George Gowen, | *Philadelphia, Pa.* | G. 49. |
| Perkins, Frederick Curtis, A.B. (*Yale Univ.*) 1894, | *Sharon, Pa.* | Winthrop 30. |
| Perry, William Beard, A.B. (*Amherst Coll.*) 1892, | *New Bedford,* | 10 Mellen St. |
| Pew, John Aubrey, A.B. 1894, | *Gloucester,* | T. 31. |
| Pillsbury, Samuel Hale, | *Foxcroft, Me.* | 18 Shepard St. |
| Pirce, James Aldrich, A.B. (*Brown Univ.*) 1892, | *Johnston, R. I.* | 14 Trowbridge Pl. |
| Porter, Frederic Sherman, A.B. (*Michigan Univ.*) 1892, A.M. (*Western Reserve Univ.*) 1893, | *Cleveland, O.* | Winthrop 4. |
| Poth, Charles Anthony, A.B. 1895, | *Pittsburg, Pa.* | T. 5. |
| Proctor, Charles Anderson, | *Boston,* | 369 Marlboro' St., [Boston. |
| Reardon, Edward Everett, A.B. 1894, | *So. Framingham,* | H. 8. |
| Richards, Marshall Prettyman, A.B. (*Western Maryland Coll.*) 1891, | *St. Michaels, Md.* | 8 Ellery St. |
| Roché, Everett Clifton, A.B. 1894, | *Boston,* | T. 44. |
| Saltonstall, Endicott Peabody, A.B. 1894, | *Chestnut Hill,* | Chestnut Hill. |
| Sanborn, Sheffield Shumway, A.B. (*Univ. of California*) 1894, | *Oakland, Cal.* | Winthrop 22. |
| Sandford, Edward, A.B. (*Columbia Coll.*) 1894, | *Yonkers, N. Y.* | Winthrop 3. |
| Savage, Emmett Latty, A.B. (*Univ. of Wooster*) 1893, | *Paulding, O.* | 1734 Cambridge St. |
| Seasongood, Clifford, A.B. 1894, | *Cincinnati, O.* | M. 17. |
| Shackford, Samuel Burnham, A.B. 1894, | *Dover, N. H.* | 1102 Mass. Ave. |

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|---|---|---|
| Sibley, Alexander Hamilton, A.B. (*Trinity Coll.*) 1892, | *Detroit, Mich.* | Winthrop 17. |
| Sims, Harry Upson, A.B. (*Univ. of Virginia*) 1894, | *Columbus, Miss.* | 104 Mt. Auburn St. |
| Skinner, Vernon Villiers, | *Boston,* | 2849 Washington [St., Boston. |
| Smith, Clarence Bishop, A.B. (*Columbia Coll.*) 1894, | *New York, N. Y.* | Winthrop 3. |
| Spalding, Thorndike, A.B. 1895, | *Cambridge,* | 75 Sparks St. |
| Spooner, Herbert Clinton, | *Boston,* | H'ke 36. |
| Spring, James Wheelock, | *Boston,* | 23 Batavia St., [Boston. |
| Spring, Samuel Romney, A.B. (*Williams Coll.*) 1894, | *Williamstown,* | Winthrop 28. |
| Stevens, Edward James, PH.B. (*Beloit Coll.*) 1894, | *Janesville, Wis.* | Winthrop 25. |
| Stothers, Edward Merrell, A.B. (*Yale Univ.*) 1894, | *Staten Island, N. Y.* | 20 Ware St. [Boston. |
| Swan, Charles Herbert, Jr., A.B. (*Bates Coll.*) 1893, | *Roxbury,* | 98 W. Newton St., |
| Swezey, Robert Eugene, A.B. (*Polytechnic Inst., Brooklyn*) 1894, | *Brooklyn, N. Y.* | 69 Oxford St. |
| Thayer, Harry Winslow, | *New York, N. Y.* | 3 Sumner St. |
| Thompson, Marshall Putnam, A.B. (*Dartmouth Coll.*) 1892, | *Lawrence,* | 24 Farwell Pl. |
| Tiffany, Dexter, Jr., A.B. 1895, | *St. Louis, Mo.* | 18 Appian Way. |
| Tinkham, George Holden, A.B. 1894, | *Boston,* | 20 Prescott St. |
| Townsend, Frederick, Jr., A.B. 1893, | *Albany, N. Y.* | 52 Brattle St. |
| Tuckerman, Eliot, A.B. 1894, | *New York, N. Y.* | 30 Holyoke St. |
| Walker, Charles Cobb, A.B. 1892, | *Chicago, Ill.* | W. H. 34. |
| Waters, Bertram Gordon, A.B. 1894, | *Boston,* | P. 56. |
| Weber, Harry, LL.B. (*Columbian Univ.*) 1893, LL.M. (*Ibid.*) 1895, | *Barry, Ill.* | Brewer's Block 10. |
| Weitzel, George Thomas, A.B. 1894, | *Frankfort, Ky.* | W. 2. |
| Welch, Francis Horace, A.B. (*Univ. of Texas*) 1893, | *Taylor, Texas.* | M. 41. |
| Whitman, Henry George, A.B. (*Cambridge Univ. Eng.*) 1894, | *Cincinnati, O.* | 8 Ellery St. |
| Whitmore, Charles Edward, Jr., A.B. 1893, | *Cambridge,* | H. 12. |

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## First Year.

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|---|---|---|
| Abbott, Clark Hamilton, A.B. 1895, | *Ovid, N. Y.* | 20 Ware St. |
| Adler, Edward Anthony, PH.B. (*St. Lawrence Univ.*) 1895, | *Millersburg, O.* | 28 Quincy St. |
| Allen, John Eliot, A.B. (*Dartmouth Coll.*) 1894, | *Claremont, N. H.* | 37 Trowbridge St. |
| Allis, Frederick Scouller, A.B. (*Amherst Coll.*) 1893, | *Erie, Pa.* | 27 Mellen St. |
| Applegate, John Stillwell, Jr., A.B. (*Colgate Univ.*) 1895, | *Red Bank, N. J.* | 378 Harvard St. |
| Arnold, Edmund Kent, A.B. 1895, | *Cambridge,* | 10 Frisbie Pl. |
| Barge, Charles Robert, S.B. (*Knox Coll.*) 1895, | *Dixon, Ill.* | 43 Irving St. |
| Barrows, Chester Willard, A.B. (*Brown Univ.*) 1895, | *Providence, R. I.* | 58 Wendell St. |
| Bassett, Norman Leslie, A.B. (*Colby Univ.*) 1891, | *Winslow, Me.* | 1689 Cambridge St. |
| Batchelder, Samuel Francis, A.B. 1893, | *Cambridge,* | 6 Hilliard St. |
| Baumer, Herman Erhardt, | *Johnstown, Pa.* | Hilton Block 30. |
| Belden, Charles Francis Dorr, | *Niagara Falls, N. Y.* | S. 29. |
| Belmore, Bruce Weatherby, | *Princeton, Me.* | W. 51. |
| Bettman, Alfried, A.B. 1894, | *Cincinnati, O.* | P. 9. |
| Bigelow, Leslie Melville, A.B. 1895, | *Cambridge,* | 15 Buckingham St. |
| Bingham, Norman Williams, Jr., A.B. 1895, | *Somerville.* | |
| Black, John Donald, | *Chicago, Ill.* | S. 11. |
| Blair, John Ellwood, | *Danvers,* | 69 Oxford St. |
| Bond, Charles Wood, | *Cambridge,* | 2106 Mass. Ave. |
| Booth, Charles Dunbar, | *Ashtabula, O.* | W. 51. |
| Bowers, John Albert, A.B. (*Dartmouth Coll.*) 1894, | *Newport, N. H.* | 7 Mellen St. |
| Bremer, Clifton Long, | *Boston,* | Shepherd Block 10. |
| Brookings, Walter du Bois, A.B. 1895, | *Benton Harbor, Mich.* | Winthrop 12. |
| Brown, Howard Wilks, A.B. 1895, | *Boston,* | H. 31. |
| Brown, James Jay, A.B. (*Williams Coll.*) 1895, | *Omaha, Neb.* | 58 Hammond St. |
| Brownell, Walter Dexter, B.P. (*Brown Univ.*) 1894, | *Providence, R. I.* | 62 Trowbridge St. |

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|---|---|---|
| Bryan, John Stewart, A.B. (*Univ. of Virginia*) 1893, A.M. (*Ibid.*) 1893, | *Richmond, Va.* | 104 Mt. Auburn St. |
| Bryant. Eugene Lincoln, A.B. 1895, | *Hingham,* | H. 31. |
| Burke, William Edmund, | *East Boston,* | 119 Webster St. [East Boston. |
| Cahn, William L., A.B. (*Columbia Coll.*) 1895, | *New York, N. Y.* | 20 Prescott St. |
| Cameron, Winfield Henry, A.B. 1895, | *Jamestown, N. Y.* | Winthrop 12. |
| Caswell, John. | *Boston,* | 50 Beacon St., |
| Chapman, John Lee, | *Washington, D. C.* | G. 33. [Boston. |
| Church, Elliott Bradford, A.B. 1895, | *Taunton,* | G. 29. |
| Clark, Alexander Ray, Jr., A.B. (*Yale Univ.*) 1895, | *New York, N. Y.* | 1599 Mass. Ave. |
| Clarkson, Robert Paul, | *Roxbury.* | 137 Highland St., |
| Clifford, Albert Goldsmith, | *Lynn,* | C't 41. [Roxbury. |
| Coffin, Fletcher Barker, A.B. 1895, | *Newton,* | G. 42. |
| Colby, Kimball Gleason, A.B. (*Amherst Coll.*) 1895, | *Methuen,* | Methuen. |
| Coleman, William, A.B. (*Wofford Coll.*) 1895, | *Sedalia, S. C.* | 1686 Cambridge St. |
| Conant, Ernest Bancroft, A.B. 1895, | *Boston,* | 31 Mt. Vernon St., [Boston. |
| Connelly, John Edward, A.B. 1895, | *Ashland,* | Ashland. |
| Connolly, James Thomas, A.B. (*Holy Cross Coll.*) 1895, | *Cambridge,* | 56 Amory St. |
| Cooper, James Earnest, A.B. (*Yale Univ.*) 1895, | *New Britain,* | 54 Garden St. |
| Corbett, John, | *Cambridge,* | 18 Sumner St. |
| Corwin, Allen Wickham, A.B. (*Princeton Coll.*) 1895, | *Middletown, N. Y.* | 65 Hammond St. |
| Cox, Abraham Beekman, Jr., A.B. (*Yale Univ.*) 1895. | *Cherry Valley, N. Y.* | 14 Rutland St. |
| Cronin, John Francis, | *Boston,* | Hyde Park Ave., [Boston. |
| Crowley, Timothy Francis, A.B. (*Boston Coll.*) 1893, | *Boston,* | 125 Pinckney St., [Boston. |
| Davis, Benjamin, A.B. (*Yale Univ.*) 1895, | *Chicago, Ill,* | Winthrop 32. |
| Deitrick, Fred Simpson, B.S. (*Geneva Coll.*) 1895, | *New Brighton, Pa.* | H'ke 24. |

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| Dent, Louis Lee, L.B. (*Univ. of Missouri*) 1890, A.B. (*Harvard Univ.*) 1893, | *Salem, Mo.* | 43 Irving St. |
| Dill, William Frost, | *York Springs, Pa.* | C. 24. |
| Draper, Frederick Elliott, Jr., A.B. (*Williams Coll.*) 1895, | *Lansingburgh, N. Y.* | 18 Mason St. |
| Dresser, Frank Farnum, A.B. 1894, | *Southbridge,* | 12 Kirkland Pl. |
| Driggs, Henry Peck, A.B. (*Yale Univ.*) 1895, | *Waterbury, Conn.* | 1599 Mass. Ave. |
| Dudley, Howland, A.B. 1895, | *North Cambridge,* | 24 Avon Hill St. |
| Dunlop, Allen Edgar, A.B. (*Acadia Coll.*) 1894, | *Winthrop,* | Winthrop. |
| Edmunds, Goldmann, A.B. 1895, | *Wellesley Hills,* | M. 35. |
| Elder, William Seward, A.B. (*Williams Coll.*) 1895, | *Auburn, N. Y.* | 447 Green St. |
| Elliot, Fred Sherwood, A.B., 1895, | *Boston,* | H'ke 2. |
| Farnam, Henry, A.B. (*Yale Univ.*) 1895, | *New Haven, Conn.* | 54 Garden St. |
| Fisher, James Henry, | *Denver, Colo.* | S. 16. |
| FitzGerald, Richard Y., A.B. (*Univ of California*) 1895, | *Eureka, Nev.* | 40 Irving St. |
| Flynn, Edward James, | *Somerville,* | H. 8. |
| Ford, Laurence Agustus, A.B. (*Holy Cross Coll.*) 1895, | *Beverly,* | 67 Oxford St. |
| Foster, Israel Moore, PH.B. (*Ohio Univ.*), 1895, | *Athens, O.* | 41 Wendell St. |
| Foster, William Albert, B.S. (*Dartmouth Coll.*) 1895, | *Concord, N. H.* | 12 Sumner St. |
| Frank, Henry Pennell, A.B. (*Tufts Coll.*) 1895, | *Portland, Me.* | 28 Clarendon St., Boston. |
| Fraser, Alfred Parker, A.B. (*Leland Stanford Jr. Univ.*) 1895, | *Stockton, Cal.* | 54 Hammond St. |
| Frazier, Herbert, A.B. 1895, | *S. Bethlehem, Pa.* | 68 Mt. Auburn St. |
| Garceau, Albert, | *Roxbury,* | 22 Highland St., Roxbury. |
| Gill, Frederick Alvin, | *Cripple Creek Colo.* | 1200 Mass. Ave. |
| Gilsey, Henry, Jr., A.B. 1895, | *New York, N. Y.* | Claverly 6. |
| Glennon, John Francis, A.B. (*Spring Hill Coll.*) 1895, | *Mobile, Ala.* | 1699 Crambridge St. |
| Gonterman, Madison Gillham, | *Chicago, Ill.* | M. 4. |
| Graham, Alford Martin, | *West Somerville,* | 2 Mason Ave., West Somerville. |

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| Gray, Roland, A.B. 1895, | *Boston*, | Manter 6. |
| Gregg, Robert Etheridge, A.B. 1894, | *Cambridge*, | 19 Ware St. |
| Grinnell, Frank Washburn, A.B. 1895, | *Roxbury*, | 15 Millmont St., [Roxbury. |
| Grossman, Emanuel Monie, | *Cleveland, O.* | M. 27. |
| Harding, Edward, A.B. 1895, | *Philadelphia. Pa.* | 60 Brattle St. |
| Harding, Heman Andrew, | *Chatham*, | C't 13. |
| Harrison, Robert Waite, A.B. 1895, | *San Francisco, Cal.* | 56 Mt. Auburn St. |
| Hartzell, Walter Thomas, A.B. 1895, | *Allentown, Pa.* | P. 71. |
| Hazeltine, Harold Dexter, A.B. (*Brown Univ.*) 1894, | *Warren, Pa.* | 1683 Cambridge St. |
| Heller, Isaac S., A.B. (*Adelbert Coll.*) 1895, | *Cleveland, O.* | 63 Oxford St. |
| Highlands, Andrew Albert, A.B. 1895, | *Fall River*, | 1256 Mass Ave.. |
| Hildreth, Loring Townsend, | *Salem*, | 29 Holyoke St. |
| Hill, Charles Stanton, A.B. (*Wesleyan Univ.*) 1892, | *Cambridge*, | 17 Story St. |
| Hodge, William F., A.B. 1895, | *Antwerp, N. Y.* | C. 38. |
| Hogg, George, A.B. 1895, | *Worcester*, | Winthrop 14. |
| Hone, Joseph Bernard, A.B. (*Yale Univ.*) 1895, | *Rochester, N. Y.* | 54 Garden St. |
| Hoppe, Louis Joseph, A.B. (*St. Xavier Coll.*) 1895, | *Cincinnatti, O.* | 67 Oxford St. |
| Hubbard, Arthur Lucius, A.B. (*Michigan Univ.*) 1894, | *South Bend, Ind.* | 21 Ellery St. |
| Hughes, Thomas Bernard, A.B. 1895, | *Brighton*, | 1 Parkman St., [Brighton. |
| Hutton, William Edward, A.B. 1895, | *Denver, Colo.* | S. 16. |
| Hyde, Charles Cheney, A.B. (*Yale Univ.*) 1895, | *Chicago, Ill.* | W. H. 30. |
| Ingraham, William Moulton, A.B. (*Bowdoin Coll.*) 1895, | *Portland, Me.* | 12 Oxford St. |
| Irving, Alex Duer, A.B. 1895, | *Staten Island, N. Y.* | Claverly 16. |
| James, Ellerton, A.B. 1895, | *Nahant*, | Winthrop 15. |
| Jastram, Edward Perkins, A.B. (*Brown Univ.*) 1895, | *Providence, R. I.* | 18 Trowbridge Pl. |
| Johnson, Frederick Allen, PH.B. (*Yale Univ.*) 1894, | *New London, Conn* | 22 Prescott St. |

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|---|---|---|
| Johnson, Reginald Hathaway, A.B. 1895, | *Braintree,* | G. 10. |
| Jones, Eliot Norris, | *Boston,* | 12 Kirkland Pl. |
| Jones, John Hall, | *Cambridge,* | C. 21. |
| Kaven, Gustavus Adolphus, A.B. 1895, | *Unionville, Mich.* | 36 Bowdoin St. |
| Kennedy, Martin Herbert, A.B. (*Leland Stanford Jr. Univ.*) 1895, | *Denver, Colo.* | Felton Building 2. |
| Kennedy, Richard Lea, A.B. (*Princeton Coll.*) 1895, | *Colorado Springs, Colo.* | 65 Hammond St. |
| Kershaw, Max Howard, A.B. (*Yale Univ.*) 1895, | *Philadelphia, Pa.* | 1599 Mass. Ave. |
| Kimball, Mark Rees, A.B. (*Amherst Coll.*) 1895, | *Chicaga, Ill.* | 19 Rutland St. |
| King, George Glenn, | *Concord.* | |
| Kinsler, James Callan, A.B. (*Creighton Univ.*) 1891, | *Omaha, Neb.* | 10 Mellen St. |
| La Rochelle, Joseph C. Philippe, A.B. (*St. Hyacinth Sem.*) 1893, | *Boston,* | 1504 Washington St., [Boston. |
| Leiter, Milton Myron, | *Syracuse, N. Y.* | 1750 Cambridge St. |
| Leonard, Henry Baldwin, | *Chicago, Ill.* | Ware 39. |
| Levy, Raphael Leon, | *Scranton, Pa.* | 55 Hammond St. |
| Lewis, Walter Stanford, A.B. (*Tulane Univ.*) 1894, | *New Orleans, La.* | 57 Brattle St. |
| Littig, Victor Louis, PH.B. (*State Univ. of Iowa*) 1895, | *Davenport, Ia,* | 48 Wendell St. |
| Loines, Russell Hillard, | *Brooklyn, N. Y.* | 26 Holyoke St. |
| Lord, John Walterhouse, A.B. (*Princeton Coll.*) 1895, | *Baltimore, Md.* | Felton Building 32. |
| Lothrop, Thornton Kirkland, Jr., A.B. 1895, | *Boston,* | 48 Brattle St. |
| McCarthy, Jere Joseph, A.B. 1895, | *Chelsea,* | 61 Marlboro St., [Chelsea. |
| McGrath, John Francis, A.B. 1895, | *Fitchburg,* | H. 4. |
| McLaughlin, Frederick Chase, A.B. 1893, A.M. 1895, | | Read's Block 4. |
| McMillan, Philip Hamilton, A.B. (*Yale Univ.*) 1894, | *Detroit, Mich.* | Winthrop 30. |
| Manning, Robert Livermore, A.B. 1895, | *Manchester, N. H.* | H'y 7. |

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| Marden, Philip Sanford, A.B. (*Dartmouth Col.*) 1894, | *Lowell*, | 9 Wendell St. |
| Marshall, Napoleon Bonaparte, | *Washington, D. C.* | 77 Mt. Auburn St. |
| Martin, George Adams, A.B. 1895, | *San Francisco, Cal.* | Charlesgate, Beacon [St., Boston. |
| Martin, Joseph Hillyer Thayer, Jr., | *Woodbridge, N. J.* | M. 20. |
| Maynard, Louis Cole, A.B. (*Knox Coll.*) 1895, | *Canton, Ill.* | 40 Irving St. |
| Meredith, Francis Leonard, S.B. (*Iowa State Coll. of Ag. and Mec. Arts*) 1892, | *Cranford, Neb.* | 8 Ellery St. |
| Merrifield, John Blaisdell, | *Somerville*, | 1691 Mass. Ave. |
| Moseley, Ovid Clark, | *Roxbury*, | 122 Blue Hill Ave., [Roxbury. |
| Mottley, Charles Pennebaker. A.B. (*Kenyon Coll.*) 1895, | *Bowling Green, Ky.* | 26 Holyoke St. |
| Newton, Frank Buzzell, | *Randolph*, | 96 Ellery St. |
| Nichols, Philip, A.B. 1895, | *Buffalo, N. Y.* | C't 32. |
| Noone, Ernest Wallace, A.B. (*Bates Coll.*) 1895, | *Boston*, | 15 Warren Ave., [Boston. |
| Noyes, Joseph Ripley, A.B. (*Yale Univ.*) 1895, | *New York, N. Y.* | D. 28. |
| O'Brien, John Edward, A.B. (*Manhattan Coll.*) 1895, | *New Market, N. H.* | 67 Oxford St. |
| O'Connor, Charles Jerome, A.B. (*Brown Univ.*) 1895, | *Providence, R. I.* | 1697 Cambridge St. |
| Olney, George Harwood, A.B. (*Brown Univ.*) 1895, | *Cherry Valley*, | Little's Block 16. |
| O'Malley, Walter John, Jr., | *Boston*, | 9 Freemont Ave., [Boston. |
| Packard, Sumner Tingley, A.B. (*Brown Univ.*) 1895, | *Brockton*, | Little's Block 16. |
| Parmenter, Frank Silliman, A.B. (*Williams Coll.*) 1895, | *Troy, N. Y.* | 58 Hammond St. |
| Peabody, William Rodman, A.B. 1895, | *Cambridge*, | 13 Kirkland St. |
| Peck, John Herbert, A.B. (*Williams Coll.*) 1895, | *Pittsfield*, | 58 Hammond St. |
| Peck, Josiah Henry, A.B. (*Yale Univ.*) 1895, | *Bristol, Conn.* | 26 Garden St. |
| Penington, Robert, S.B. (*St. John's Coll.*) 1893, | *Wilmington, Del.* | 41 Wendell St. |
| Penrose, John J., A.B. (*Trinity Coll.*) 1895, | *Central Village, Conn.* | 54 Kirkland St. [Boston. |
| Percival, Frank Carreton, PH.B. (*Boston Univ.*) 1891, | *Castile, N. Y.* | 20 Dartmouth Pl., |

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|---|---|---|
| Perkins, Harry Edwin, A.B. (*Boston Univ.*) 1895, | *Georgetown*, | 1673 Cambridge St. |
| Peters, Andrew James, A.B. 1895, | *Jamaica Plain*, | W. H. 47. |
| Phelps, Dudley F., Jr., | *New York, N. Y.* | M. 18. |
| Phillips, Stephen Willard, A.B. 1895, | *Salem*, | W. 26. |
| Pierce, Myron Everett | *Watertown*. | |
| Pistole, William Burton, A.B. (*Northwestern Normal Coll.*) 1893, | *Allison, Mo.* | 439 Main St. |
| Pope, Herbert, | *Cleveland, O.* | 54 Garden St. |
| Porter, Robert Cushman, | *San Francisco, Cal.* | 1699 Cambridge St. [Boston. |
| Post, Augustus Thomas, A.B. (*Amherst Coll.*) 1895, | *Germantown, Pa.* | 1 Trinity Pl., |
| Potter, Austin, A.B. 1895, | *New York, N. Y.* | Hotel Berkeley, |
| Powell, Wilson Marcy, Jr., | *New York, N. Y.* | Claverly 25. [Boston. |
| Powers, Tudor Wolcott, | *S. Windsor, Conn.* | 12 Oxford St. |
| Rawle, Francis William, A.B. (*Williams Coll.*) 1895, | *Bryn Mawr, Pa.* | 18 Mason St. |
| Raymond, Robert Lovejoy, A.B. 1895, | *Cambridge*, | 959 Mass. Ave. |
| Rea, Edwin Milton, A.B. (*Leland Stanford Jr. Univ.*) 1895, | *San Jose, Cal.* | 10 Appian Way. |
| Read, John Bertram, A.B. 1895, | *Cambridge*, | 55 Appleton St. |
| Richards, Francis Henry, A.B. 1894, | *Boston*, | [Boston. 129 Newbury St., |
| Robinson, Thomas H., | *Phillipsville, Pa.* | 10 Mellen St. |
| Roess, Louis Jacob, A.B. 1895, | *South Oil City, Pa.* | S. 1. |
| Ross, Robert Edwin, A.B. (*Princeton Coll.*) 1895, | *Chicago, Ill.* | 65 Hammond St. |
| Russell, John Stewart, A.B. (*Williams Coll.*) 1895. | *Troy, N. Y.* | Ware 39. |
| Sand, Henry Augustus Low, A.B. 1895, | *Brooklyn, N. Y.* | W. 37. |
| Sargent, Joseph, Jr., A.B. 1895, | *Booton*, | H'y 18. |
| Sawin, Fred Dana, | *E. Watertown*, | 13 Kirkland Pl. |
| Sawyer, William Merriam, A.B. (*Williams Coll.*) 1895, | *Nashua, N. H.* | 12 Kirkland Pl. |
| Schaffner, Arthur Becker, A.B. 1895, | *Chicago, Ill.* | 42 Kirkland St. |
| Schmidt, Oscar Fries, LL.B. (*Notre Dame Univ.*) 1895, | *Rock Island, Ill.* | Felton Building 26. |
| Scull, Max Leopold, A.B. 1895, | *Boston*, | 60 Brattle St. |

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|---|---|---|
| Sears, Samuel Thacher, | *E. Dennis*, | 6 Story St. |
| Seymour, Warren Ilsley, A.B. (*Princeton Coll.*) 1895, | *Pittsburg, Penn.* | 55 Hammond St. |
| Silverman, Albert, | *Chicago, Ill.* | Ware 33. |
| Simpson, John Kelley, 3d, | *Arlington Heights*, | Arlington Heights. |
| Smart, John Harrow, S.B. (*Trinity Coll.*) 1895, | *Willoughby, O.* | 54 Kirkland St. |
| Smith, Lloyd Waddell, PH.B. (*Yale Univ.*) 1895, | *Parsippany, N. J.* | Winthrop 9. |
| Smith, Perley Dennison, | *Waterbury, Conn.* | 20 Holyoke St. |
| Staab, Julius, A.B. (*Swarthmore Coll.*) 1893, A.B. 1895, | *Santa Fe, N. M.* | 1134 Mass. Ave. |
| Stackpole, Joseph Lewis, Jr., A.B. 1895, | *Boston*, | Manter 6. |
| Staples, Francis Hamilton, A.B. (*Brown Univ.*) 1894, | *Worcester*, | 379 Harvard St. |
| Starr, Reginald Henry Ellis, | *Sewanee, Tenn.* | W. H. 35. |
| Stearns, Frederick St. John, A.B. 1893, | *Walpole*, | 109 Museum St. |
| Stone, Kimbrough, L.B. (*Mo. State Univ.*) 1895, | *Jefferson City, Mo.* | 69 Oxford St. |
| Swan, Joseph Rockwell, A.B. (*Yale Univ.*) 1895, | *Stamford, Conn.* | Winthrop 10. |
| Swift, James Marcus, A.B. (*Univ. of Michigan*) 1895, | *Fall River*, | 55 Trowbridge St. |
| Talcott, William Ariel, Jr., A.B. (*Amherst Coll.*) 1893, | *Rockford, Ill.* | 1686 Mass. Ave. |
| Thompson, William Putnam, A.B. (*Bowdoin Coll.*) 1894, | *Bath, Me.* | 12 Oxford St. |
| Thurston, Charles Storey, A.B. (*Yale Univ.*) 1895, | *Whitinsville*, | 8 Appian Way. |
| Tillinghast, John Avery, A.B. (*Brown Univ.*) 1895, | *Pawtucket, R. I.* | 58 Wendell St. |
| Twohey, James Austin, | *Montreal, Can.* | 409 Broadway. |
| Wade, George Knight Budd, A.B. (*Yale Univ.*) 1895, | *New York, N. Y.* | Winthrop 13. |
| Walsh, Vincent James, A.B. (*St. Ignatius Coll.*) 1894, | *Chicago, Ill.* | Felton Building 22. |
| Walworth, James Jones, A.B. (*Yale Univ.*) 1895, | *Newton*, | [Newton. Centre and Mill Sts., |
| Wardwell, Allen, A.B. (*Yale Univ.*) 1895, | *New York, N. Y.* | Winthrop 19. |
| Weed, Charles Frederick, A.B. (*Trinity Coll.*) 1894, | *Claremont, N. H.* | 54 Kirkland St. |

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|---|---|---|
| Weill, Alfred Sigismund, A.B. 1895, | *Buffalo, N. Y.* | 6 Ash St. |
| Weller, George Joseph, A.B. (*Boston Coll.*) 1895, | *So. Boston,* | [Boston. 580 Broadway, So. |
| Westengard, Jens Iverson, | *Chicago, Ill.* | 49 Oxford St. |
| White, Norman Hill, A.B. 1895, | *Cambridge,* | 1105 Mass. Ave. |
| White, Paul Maurice, A.B. (*Brown Univ.*) 1895, | *Woonsocket, R. I.* | 1691 Mass. Ave. |
| White, Samuel Peregrine, A.B. 1895, | *Wakefield,* | C. 19. |
| Whiteside, Alexander, Jr., A.B. 1895, | *Champlain, N. Y.* | Claverly 16. |
| Whitmore, Howard, A.B. 1895, | *Chicago, Ill.* | H. 12. |
| Wiers, Edgar Swan, A.B. (*Adelbert Coll.*) 1895, | *Cleveland, O.* | 63 Oxford St. |
| Wilkinson, Robert, A.B. (*Yale Univ.*) 1895, | *Poughkeepsie, N. Y.* | 49 Oxford St. |
| Williams, Benjamin, B.P. (*Brown Univ.*) 1895, | *Jackson, Mich.* | 58 Wendell St. |
| Williams, John Reed, A.B. (*Yale Univ.*) 1895, | *Chicago, Ill.* | Winthrop 19. |
| Wolffe, William Burns, A.B. 1895, | *Cambridge,* | 24 Follen St. |
| Woodard, Gen. La Monte, A.B. 1895, | *Clinton, Wis.* | |
| Worthington, John Winthrop, A.B. 1895, | *Dedham,* | T. 45. |
| Wrenn, George Lawson, Jr., | *Highland Park, Ill.* | H'y 3. |
| Youngman, William Sterling, A.B. 1895, | *Williamsport, Pa.* | W. H. 61. |

SPECIAL STUDENTS.

| | | |
|---|---|---|
| Avery, Russ, B.L. (*Univ. of Califfornia*) 1894, | *Los Angeles, Cal.* | 1689 Cambridge St. |
| Blackman, Charles Edward, | *Winona, Minn.* | 21 Ellery St. |
| Cooper, Henry Elliott, A.B. (*Brown Univ.*) 1895, | *Pawtucket, R. I.* | 18 Trowbridge Pl. |
| Crawford, Leigh Randall, LL.B. (*Univ. Michigan*) 1895, | *Colebrook, N. H.* | 92 Washington Ave. |
| Freiberg, Alfred Julius, A.B. 1893, LL.B. (*Law School of Cincinnati Coll.*) 1895, | *Cincinnati, O.* | P. 9. |
| Nash, William Gilbert, | *Brookline,* | [Brookline. 14 Auburn St., |

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|---|---|---|
| Ratliff, Raymond, A.B. (*Cincinnati Univ.*) 1894, LL.B. (*Cincinnati Law School*) 1895, | *Dayton, O.* | Felton Building 1. |
| Stern, Morris Lewis, A.B. (*Cornell Univ.*) 1895, | *Rochester, N. Y.* | 65 Hammond St. |
| Veazie, Jesse Clarence, A.B. (*Univ. of Oregon*) 1891, | *Portland, Ore.* | 74 Sacramento St. |

## SUMMARY.

| | |
|---|---|
| Third Year Students | 95 |
| Second Year Students | 139 |
| First Year Students | 222 |
| Special Students | 9 |
| Total | 465 |
| Graduates of Colleges (see table below) | 375 |
| Harvard College Seniors on leave of absence | 18 |
| Graduates of Law Schools | 3 |
| Non-graduates | 69 |
| Total | 465 |

| | | | |
|---|---|---|---|
| Acadia University | 1 | University of New Brunswick | 1 |
| Amherst College | 15 | Northern Indiana Normal School | 1 |
| Bates College | 3 | No. Western Missouri Normal School | 1 |
| Beloit College | 2 | Notre Dame University | 2 |
| Boston College | 3 | Oberlin College | 2 |
| Boston University | 2 | Ohio University | 1 |
| Bowdoin College | 3 | University of Oregon | 2 |
| Brown University | 19 | Oxford University, England | 1 |
| Buchtel College | 1 | University of Pennsylvania | 2 |
| University of California | 7 | Polytechnic Institute, Brooklyn | 1 |
| Cambridge University, Eng. | 1 | Princeton College | 7 |
| Centre College | 1 | Rutgers College | 1 |
| Colby University | 1 | St. Hyacinthe Seminary, Montreal | 1 |
| Colgate University | 1 | St. Ignatius College | 1 |
| Columbia College | 3 | St. John's College | 1 |
| Cornell University | 2 | St. Joseph's College | 1 |
| Creighton University | 3 | St. Lawrence University | 1 |
| Dartmouth College | 7 | St. Louis University | 1 |
| De Pauw University | 2 | St. Xavier's College | 1 |
| Geneva College | 1 | Spring Hill College | 1 |
| Georgetown College | 1 | Syracuse University | 2 |
| Harvard University | 173 | University of Texas | 1 |
| Holy Cross College | 4 | Trinity College | 4 |
| Illinois College | 2 | Tufts College | 1 |
| Iowa Agricultural College | 1 | Tulane University | 1 |
| University of Iowa | 1 | Union College | 1 |
| Kenyon College | 1 | University of Vermont | 2 |
| Knox College | 3 | University of Virginia | 2 |
| Laval University | 2 | Virginia Military Academy | 1 |
| Leland Stanford Jr. University | 3 | Wesleyan University | 1 |
| Lombard University | 1 | West Virginia University | 1 |
| McGill University | 1 | Western Reserve University | 2 |
| Manhattan College | 1 | William Jewell College | 1 |
| Western Maryland College | 1 | Williams College | 11 |
| Miami University | 1 | Wofford College | 1 |
| University of Michigan | 3 | University of Wooster | 1 |
| University of Missouri | 1 | Worcester Polytechnic Institute | 1 |
| Mt. St. Mary's College | 1 | Yale University | 32 |
| | | | 375 |

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# THE LAW SCHOOL.

## COURSE OF INSTRUCTION.

The design of this School is to afford such a training in the fundamental principles of English and American Law as will constitute the best preparation for the practice of the profession in any place where that system of law prevails. With this view, the course of study, which is designed to occupy the student three full years, will comprise the following subjects: —

### First Year.

Contracts. Professor Williston. *Three hours a week.* Cases on Contracts: Langdell, vol. 1, 2d ed., Williston, vol. 2.

Criminal Law and Procedure. Asst. Professor Beale. *Two hours a week.* Beale's Cases on Criminal Law.

Property. Professor Gray. *Two hours a week.* Gray's Cases on Property, vol. 1, 2.

Torts. Professor Smith. *Two hours a week.* Cases on Torts: Ames, vol. 1, 2d ed., Smith, vol. 2.

Civil Procedure at Common Law. Professor Williston. *One hour a week.* Ames's Cases on Pleading.

### Second Year.

Agency. Professor Wambaugh. *Two hours a week.* Wambaugh's Cases on Agency.

Bills of Exchange and Promissory Notes. Professor Williston. *Two hours a week.* Ames's Cases on Bills and Notes.

Carriers. Asst. Professor Beale. *Two hours a week.* McClain's Cases on Carriers.

Contracts and Quasi-Contracts. Professor Wambaugh. *Two hours a week.* Keener's Cases on Quasi-Contracts.

Evidence. Professor Thayer. *Two hours a week.* Thayer's Cases on Evidence.

Insurance.* Professor Wambaugh. *Two hours a week.*

Jurisdiction and Procedure in Equity. Professor Langdell. *Two hours a week.* Langdell's Cases in Equity Pleading.

* No text-book.

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Law of Persons. Interpretation of Statutes.* Professor SMITH. *Two hours a week.*

Property. Professor GRAY. *Two hours a week.* Gray's Cases on Property, vol. 3, 4.

Sales of Personal Property. Professor THAYER. *Two hours a week.* Williston's Cases on Sales.

Trusts. Professor AMES. *Two hours a week.* Ames's Cases on Trusts (new edition).

Damages. Asst. Professor BEALE. *One hour a week.* Beale's Cases on Damages.

### THIRD YEAR.

Constitutional Law. Professor THAYER. *Two hours a week.* Thayer's Cases on Constitutional Law.

Corporations. Professor SMITH. *Two hours a week.* Cumming's Cases on Corporations.

Jurisdiction and Procedure in Equity.* Professor LANGDELL. *Two hours a week.*

Partnership. Professor AMES. *Two hours a week.* Ames's Cases on Partnership.

Property. Professor GRAY. *Two hours a week.* Gray's Cases on Property, vol. 5, 6.

Suretyship.* Professor AMES. *Two hours a week.*

Conflict of Laws.* Asst. Professor BEALE. *One hour a week.*

### EXTRA COURSES.

The Peculiarities of Massachusetts Law and Practice. Mr. BREWSTER. *Not less than thirty hours.*

Civil Procedure under the New York Code. *Not less than thirty hours.*

No examinations will be held in the extra courses, and they will not count for a degree.

In addition to the foregoing third-year subjects, third-year students may elect any second-year subjects which they have not taken in their second year.

*Every candidate for the honor degree will be required to take ten hours a week in each of the last two years.*

*Every candidate for the ordinary degree will be required to take in the second year ten hours a week in the subjects of that year, and in the third year eight hours a week.*

* No text-book.

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### Moot Courts.

Every student who has been in the School one year or more has an opportunity each year of arguing in a moot court case before one of the Professors.

## INSTRUCTION IN OTHER DEPARTMENTS OF THE UNIVERSITY.

The instruction given in the other departments of the University, with the exception of exercises carried on in the special laboratories, is also open, without additional charge, to students of the Law School. Among the numerous courses of instruction (about two hundred in all) provided by the Faculty of Arts and Sciences, those upon Roman Law, Political Economy, and History, are particularly suitable for Law Students; but many other courses, such as those upon English Literature, Modern Languages, Philosophy, and Physical Science, may be useful to students whose previous opportunities have been limited. Those who wish to avail themselves of these privileges must procure from the Dean a certificate of membership of the School.

The Hemenway Gymnasium is open to members of this School, without extra charge. It is in charge of a physician, Dr. D. A. Sargent, who is an expert in the department of physical training; and each student is entitled to a thorough personal examination by the Director and to special direction and advice as to the form and amount of physical exercise best suited to his case.

## ADMISSION.

The following persons will be admitted as candidates for a degree without examination upon producing their diplomas: —

Acadia,
University of Alabama,
Allegheny,
Amherst,
Antioch,
Bates,
Beloit,
Boston,
Boston University,
Bowdoin,
Brown University,
Buchtel,
Bucknell,
University of California,
Carleton,
Central,
Centre,
University of Chicago,
University of Cincinnati,
Clark University.

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I. *Bachelors of Arts of the following Colleges:

Colby University,
Colgate University,
University of Colorado,
Columbia,
Cornell,
Cornell University,
Dalhousie,
Dartmouth,
Delaware,
Denison University,
De Pauw University,
Dickinson,
Drake University,
University of New Brunswick,
College of the City of New York,
University of the City of New York,
University of North Carolina,
Northwestern University,
University of Notre Dame (Ind.),
Oberlin,
Ohio State University,
Ohio Wesleyan University,
Olivet,
University of Oregon,
University of Pennsylvania,
Princeton,
Racine,
University of Rochester,
Rutgers,
St. Lawrence University,
University of the South,
University of South Carolina,
Swarthmore,
Syracuse University,
Earlham,
University of Georgia,
Georgetown (D. C.),
Griswold,
Hamilton,
Hanover,
Harvard,
Haverford,
Hobart,
Holy Cross,
Illinois,
University of Illinois,
University of Indiana,
Iowa,
State University of Iowa,
Johns Hopkins University,
University of Kansas,
Kenyon,
Kings,
Knox,
Lafayette,
Lehigh University,
Leland Stanford Jr. University,
Marietta,
McGill University,
Miami University,
University of Michigan,
Middlebury,
University of Minnesota,
University of Mississippi,
University of Missouri,
Mt. Union,
University of Nebraska,
University of Texas,
University of Toronto,
Trinity,
Tufts,
Tulane University of Louisiana,
Union,
Vanderbilt University,
University of Vermont,
Victoria University,
University of Virginia,
Washington University (Mo.),

*This list has been made chiefly from the Colleges whose graduates have entered the School in recent years. It is accordingly not intended to be exhaustive, and will doubtless be enlarged from time to time. Graduates of Colleges not here mentioned are advised to communicate with the Dean before making formal application for admission as candidates for a degree.

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Washington and Jefferson,
Wesleyan University (Ct.),
Western Reserve University,
Western University of Pennsylvania,
Williams,
University of Wisconsin,
Wittenberg,
University of Wooster,
Yale University.

II. *Bachelors of Literature of the following Colleges:

University of California,
University of Cincinnati,
Cornell University,
Dartmouth,
University of Michigan,
University of Minnesota,
University of Wisconsin.

III. *Bachelors of Philosophy of the following Colleges:

Beloit,
Brown University,
University of California,
Delaware,
Drake University,
Iowa,
State University of Iowa,
University of Michigan,
Oberlin,
Sheffield Scientific School,
University of Vermont,
Wesleyan University (Ct.),
Wharton School of Finance and Economy,
University of Wooster.

IV. *Bachelors of Science of the following Colleges:

Amherst,
Bowdoin,
Cornell University,
Harvard,
State University of Iowa,
Knox,
Massachusetts Institute of Technology.

V. Persons qualified to enter the Senior Class of Harvard College.

### Special Students.

The following persons will be admitted as special students:

I. Holders of academic degrees in Arts, Literature, Philosophy or Science who are not admissible as candidates for a degree.

II. Graduates of Law Schools which confer the degree only after an examination upon a two years course of at least seven months in each year.

III. Persons who pass a satisfactory examination in the following subjects: —

* See foot-note on page 390.

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1. LATIN. Candidates will be required (1) to translate (without the aid of grammar or dictionary) passages selected from the following books: Caesar's Commentaries on the Gallic War, Books I–IV (or Books I–III and Sallust's Catiline), and Cicero's Four Orations against Catiline, and his Oration for Archias; — and (2) to translate at sight average passages from Caesar and Cicero's Orations.

2. FRENCH. Candidates will be required to translate (without the aid of grammar or dictionary) passages from standard French prose authors, and also to render passages of easy English prose into French.

The Faculty will, at its discretion, permit some other modern language to be substituted for French.

3. BLACKSTONE'S COMMENTARIES (exclusive of editor's notes).

Special students who reside three years at the School and pass in due course the requisite legal examinations, will receive the degree of LL.B. (1) if they at any time during the course entitle themselves to enrolment as regular students, or (2) if they attain a mark within five per cent of that required for the honor degree.

Two examinations for admission will be held each year: one at the beginning of the summer vacation; the other at the beginning of the academic year in the autumn.

In 1896, the first examination will be held on Thursday and Friday, June 25 and 26, at the following places: —

In *Cambridge*, in Austin Hall.

In *Quincy*, in the rooms of the Adams Academy.

In *Andover*, in the rooms of the Phillips Academy.

In *Groton*, in the rooms of the Groton School.

In *Southborough*, in the rooms of St. Mark's School.

In *Worcester*, in Curtis Hall, the Young Men's Christian Association building, Elm Street.

In *Exeter*, *N. H.*, in the rooms of Phillips Exeter Academy.

In *Concord*, *N. H.*, in the rooms of St. Paul's School.

In *Portland*, *Me.*, in the rooms of the Portland High School.

In *Lakeville*, *Conn.*, in the rooms of the Hotchkiss School.

In *New York*, *N. Y.*, in the lecture-room of the Young Men's Christian Association, 23d Street, corner of Fourth Avenue.

In *Garden City*, *N. Y.*, in the rooms of St. Paul's Cathedral School.

In *Albany*, *N. Y.*, in the rooms of the Young Men's Christian Association.

In *Buffalo*, *N. Y.*, in the High School building, corner of Court and Franklin Streets.

In *Lawrenceville*, *N. J.*, in the rooms of the Lawrenceville School.

In *Philadelphia*, *Pa.*, in the rooms of the Young Men's Christian Association building, corner of 15th and Chestnut Streets.

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In *Washington, D. C.*, in the rooms of the Young Men's Christian Association.

In *Cleveland, O.*, in the Central High School building.

In *Cincinnati, O.*, in the rooms of the Law School, College building, Walnut Street.

In *Chicago, Ill.*, in rooms of the Chicago Athenaeum, Van Buren Street.

In *Minneapolis, Minn.*, in lecture-room of the Public Library building.

In *St. Louis, Mo.*, in the Board of Education building, corner of Ninth and Locust Streets.

In *Omaha, Neb.*, in the rooms of the Young Men's Christian Association.

In *Denver, Col.*, in the rooms of the Denver High School (District No. 1), corner of Nineteenth and Stout Streets.

In *San Francisco, Cal.*, in the rooms of the Mechanics' Institute, 31 Post Street.

In *Belmont, Cal.*, in the rooms of the Belmont School.

In *Portland, Oregon.*

In *Bonn, Germany*, at the Hotel Kley.

In *Tokyo, Japan.*

The second examination will be held *in Cambridge only*, on Thursday and Friday, October 1 and 2.

Candidates who are allowed to substitute some other language for French will be examined in such language at the second examination only. *No person will be examined at any time or place other than as above specified.*

### Order of Examinations.

*Thursday, June 25, and Thursday, October 1*, 9 A.M., Latin. 3 P.M., French.

*Friday, June 26, and Friday, October 2*, 9 A.M., Blackstone.

Applicants will be required, before examination, to produce certificates of good moral character, and to give two references for further information.

*No student who fails to pass an examination annually in at least three subjects will be allowed, unless by a vote of the Faculty, to continue in the School. Examinations in first-year subjects may be taken at the end of the year, or in the following September. Examinations in all other subjects must be taken at the end of the year.*

### Advanced Standing.

Any person who has been a member of another law school for at least one academic year of not less than seven months will, if otherwise entitled to admission to the school as a regular student, be admitted to the

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second-year class upon passing a satisfactory examination in the studies of the first year. This examination will require a thorough knowledge of the following books: Gray's Cases on Property, vol. 1, 2; Cases on Contracts: Langdell, vol. 1, 2d ed., and Williston, vol. 2; Cases on Torts: Ames, vol. 1, 2d ed., and Smith, vol. 2; Beale's Cases on Criminal Law; Ames's Cases on Pleading. The examination is by printed questions, which the candidates answer in writing in the presence of the examiner.

The examination for admission to advanced standing in the year 1896 will be held in Austin Hall, Cambridge, on Thursday and Friday, October 1 and 2, beginning at 9 A.M. on Thursday. No applicant will be examined at any other time.

## DEGREE OF BACHELOR OF LAWS.

The degree of Bachelor of Laws will be conferred upon students who, having been in the School during at least two full years as candidates for a degree, shall have passed satisfactory examinations in the entire course of three years, and also upon special students who, having been in the school during three full years, shall have passed in due course the requisite examinations and have obtained a mark within five per cent. of that required for the honor degree. The degree of Bachelor of Laws *cum laude* will be conferred upon students who, having been in the School during at least two full years as candidates for a degree, shall have passed examinations of distinguished excellence in the entire course of three years. The examinations in the studies of the second and third years must be passed at the end of each year respectively. In the studies of the first year the examinations must be passed either at the end of that year or at the examination for advanced standing in October following. Neither degree will be conferred until the candidate shall have attained the age of twenty-one years. Candidates for a degree who are admitted to advanced standing must remain in the School during the whole of the second and third years. Those who are in the School during the whole of their first year may be absent during their second or third year; but those who are absent during their second or their third year must return and pass their examinations in the studies of that year with their class at the end of the year.

Every person who, while a member of the School, shall pass a satisfactory examination in one or more subjects, will be entitled to a certificate, stating the length of time he has been a member of the School and specifying the subjects in which he has passed an examination.

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## DEGREE OF MASTER OF ARTS.

*Standing Rules of the Corporation and Board of Overseers.*

RULE 1. The degrees of Master of Arts and Doctor of Philosophy are open to Bachelors of Arts of Harvard College and to Bachelors of Arts of other colleges, who shall have satisfied the Faculty of Arts and Sciences, by examination, that the course of study for which they received the Bachelor's degree is equivalent to that for which the Bachelor's degree is given in Harvard College, or shall have passed such additional examinations as that Faculty may prescribe.

RULE 5. The Faculty of Arts and Sciences will recommend for the degree of Master of Arts candidates otherwise properly qualified, who, after taking the Bachelor's degree, shall pursue for at least one year at the University a course of liberal study approved by the Faculty, and shall pass with high credit an examination on that course. The Faculty will designate, from time to time, those courses of instruction in the Professional and Scientific Schools which will be approved by it for the degree of A.M.

Under the above Rule 5, the Faculty of Arts and Sciences will approve studies pursued in the Law School as constituents of the one year's course of liberal study to be pursued by candidates for the degree of Master of Arts; but no study in the Law School will be approved as part of such one year's course unless the Faculty is satisfied that the candidate offering it has no intention or expectation of counting the same study towards the degree of Bachelor of Laws.

## PECUNIARY AID.

A limited number of scholarships, of the annual value of one hundred and fifty dollars each, will be hereafter awarded to meritorious students standing in need of such assistance, who have been in the School one full year at least, and who intend to remain in the School another full year at least. The award will be made by the Corporation, on the recommendation of the Faculty, at the beginning of each academic year. One third of the annual value of the scholarships is paid on the 12th of January, one third on the 12th of April, and one third immediately after the issue of the June term-bill. Applications for these scholarships must be made in writing, to the Dean, by the first of June. In making the award a preference will be given to members of the third-year class; and no scholarship will be granted to a member of the second-year class unless he intends to remain in the School until he completes the course.

The income of the John Foster Fund, amounting to about one hundred and fifty dollars, is payable every other year to one or more meritorious students needing assistance.

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## FEES AND EXPENSES.

The tuition fee is $150 a year. There are no *extra* charges in the School.

The other expenses of a student for an academic year may be estimated as follows: —

| | |
|---|---|
| Rent and care of a furnished room . . . | $22 to $150 |
| Board for thirty-eight weeks . . . . . | 114 to 266 |
| Fuel and Lights . . . . . | 11 to 25 |
| Text Books (average for 3 years) . . . | 30 30 |
| | $177 to $471 |

Board at cost can be obtained by members of the Law School at Memorial Hall. It is expected that the cost per week will not exceed four dollars and ten cents. Applications for seats should be made at the Hall to the Auditor, from whom full information can be obtained. The Foxcroft Club, a coöperative organization having commodious quarters near the School, is open to Law students. Separate articles of wholesome food are furnished to order at cost, making it possible to board at the Club for from $2.50 to $3.00 a week.

The term-bills are issued December 22, March 22, and one week before Commencement, and are to be paid respectively on or before January 12, April 12, and October 10; but the third bill of all candidates for degrees must be paid at least one day before Commencement. Each bill will contain one third of the annual charges. When a student severs his connection with the School, his whole bill becomes payable at once.

A student who joins the Law School after the beginning of the academic year will be charged for instruction from the beginning of the third in which he joins. One who leaves during the year will be charged for instruction only to the end of the third in which he leaves, if, before that time, he gives written notice of his withdrawal to the Dean; otherwise he will be charged for instruction to the end of the third in which such written notice is given. The first third begins at the beginning of the academic year and ends December 31. The second third begins January 1 and ends March 31. The last third begins April 1 and ends at Commencement.

Every student must file a bond with the Bursar in the sum of $200, signed by two bondsmen, one of whom must be a citizen of the United States, for the payment of dues to the University; or, instead of filing a bond, he may deposit $50 with the Bursar upon his entrance, as security, and pay his tuition-fees in advance as follows: one third on or before October 1, one third on or before January 1, and one third on or before

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April 1. No officer or student in the University will be accepted as bondsman. Every student who lives in a College room or boards at Memorial Hall or the Foxcroft Club must file the same bond as undergraduates ($400), or pay rent for the year in advance, and make a deposit with the Bursar as security for the payment of his board at the rate of $5 a week. All persons living in College rooms are subject to the regulations of the Parietal Committee, in the same manner as undergraduates.

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The School now occupies a new, spacious, and elegant building, Austin Hall. The lecture-rooms, reading-rooms, and other accommodations for students leave nothing to be desired. The Library (35,000 vols.) is liberally administered in the interest of the students. Between September 1, 1870, and September 1, 1890, about $3000 a year on an average were spent in increasing and improving it. Since September 1, 1890, the amount so spent annually has been nearly doubled.

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For further information and for examination papers, address, The Secretary, Harvard Law School, Cambridge, Mass.

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## TABULAR VIEW OF EXERCISES FOR THE LAW SCHOOL. 1895-96.

*N*, *E*, and *W* indicate North, East, and West lecture-rooms respectively.

| | MONDAY. | TUESDAY. | WEDNESDAY. | THURSDAY. | FRIDAY. |
|---|---|---|---|---|---|
| 9–10 | Corporations. *E* | Trusts. *N*<br>Corporations. *E* | Torts. *N*<br>Evidence. *W*<br>Partnership. *E* | Torts. *N*<br>II. Contracts. *E*<br>Constitutional Law. *W* | Pleading. *N*<br>II. Contracts. *W*<br>Constitutional Law. *W* |
| 10–11 | I. Property. *N*<br>Sales. *E* | I. Property. *N*<br>Sales. *E*<br>Equity Jurisdiction. *W* | Equity Jurisdiction. *W* | Bills and Notes. *W* | Damages. *N*<br>Bills and Notes. *W* |
| 11–12 | II. Property. *N*<br>*Conflict of Laws. *E* | II. Property. *N*<br>Partnership. *E* | Trusts. *N*<br>*Conflict of Laws. *E* | Carriers. *E* | Carriers. *E.* |
| 12–1 | Criminal Law. *N*<br>Evidence. *W* | Criminal Law. *N*<br>Equity Procedure. *W*<br>Suretyship. *E* | I. Contracts. *N*<br>Equity Procedure. *W*<br>Suretyship. *E* | I. Contracts. *N*<br>Agency. *W* | I. Contracts. *N*<br>Agency. *W* |
| 2–3 | III. Property. *E* | III. Property. *E* | Mass. Practice. *E* | Persons. *E* | Persons. *E* |
| 3–4 | | | | Insurance. *W* | Insurance. *W.* |

* Second half-year.

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# THE MEDICAL SCHOOL.

## FACULTY.

CHARLES W. ELIOT, LL.D., *President.*
WILLIAM L. RICHARDSON, M.D., *Dean*, and *Professor of Obstetrics.*
JAMES C. WHITE, M.D., *Professor of Dermatology.*
OLIVER F. WADSWORTH, M.D., *Professor of Ophthalmology.*
HENRY P. BOWDITCH, M.D., *Professor of Physiology.*
CLARENCE J. BLAKE, M.D., O.M., *Professor of Otology.*
FRANK W. DRAPER, M.D., *Professor of Legal Medicine.*
CHARLES B. PORTER, M.D., *Professor of Clinical Surgery.*
J. ORNE GREEN, M.D., *Clinical Professor of Otology.*
A. LAWRENCE MASON, M.D., *Associate Professor of Clinical Medicine.*
J. COLLINS WARREN, M.D., LL.D., *Professor of Surgery.*
REGINALD H. FITZ, M.D., *Hersey Professor of the Theory and Practice of Physic.*
THOMAS DWIGHT, M.D., LL.D., *Parkman Professor of Anatomy.*
JAMES J. PUTNAM, M.D., *Professor of Diseases of the Nervous System.*
EDWARD S. WOOD, M.D., *Professor of Chemistry.*
FREDERICK C. SHATTUCK, M.D., *Jackson Professor of Clinical Medicine.*
EDWARD H. BRADFORD, M.D., *Assistant Professor of Orthopedics.*
FRANK H. DAVENPORT, *Assistant Professor of Gynaecology.*
T. M. ROTCH, M.D., *Professor of the Diseases of Children.*
WILLIAM B. HILLS, M.D., *Associate Professor of Chemistry.*
WILLIAM F. WHITNEY, M.D., *Curator of the Anatomical Museum.*
WILLIAM T. COUNCILMAN, M.D., *Shattuck Professor of Pathological Anatomy.*
CHARLES S. MINOT, S.D., *Professor of Histology and Human Embryology.*
MAURICE H. RICHARDSON, M.D., *Assistant Professor of Clinical Surgery.*
CHARLES M. GREEN, M.D., *Assistant Professor of Obstetrics.*
HERBERT L. BURRELL, M.D., *Assistant Professor of Clinical Surgery.*
HAROLD C. ERNST, M.D., *Professor of Bacteriology.*
CHARLES HARRINGTON, M.D., *Instructor in Materia Medica and Hygiene.*
WILLIAM T. PORTER, M.D., *Assistant Professor of Physiology.*
FRANKLIN DEXTER, M.D., *Assistant Professor of Anatomy.*

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## OTHER INSTRUCTORS.

THEODORE W. FISHER, M.D., *Lecturer on Mental Diseases.*
SAMUEL H. DURGIN, M.D., *Lecturer on Hygiene.*
HENRY P. QUINCY, M.D., *Instructor in Histology.*
JOHN H. McCOLLOM, M.D., *Assistant in Bacteriology.*
ABNER POST, M.D., *Instructor in Syphilis.*
ELBRIDGE G. CUTLER, M.D., *Instructor in the Theory and Practice of Physic.*
EDWARD M. BUCKINGHAM, M.D., *Instructor in Diseases of Children.*
ARTHUR T. CABOT, M.D., *Instructor in Genito-Urinary and Clinical Surgery.*
JOHN B. SWIFT, M.D., *Assistant in Gynaecology.*
WILLIAM W. GANNETT, M.D., *Instructor in Clinical Medicine.*
CHARLES F. WITHINGTON, M.D., *Instructor in Clinical Medicine.*
VINCENT Y. BOWDITCH, M.D., *Assistant in Clinical Medicine.*
SAMUEL J. MIXTER, M.D., *Instructor in Surgery*, and *Assistant in Operative Surgery.*
GEORGE H. MONKS, M.D., *Instructor in Clinical Surgery*, and *Assistant in Operative Surgery.*
MYLES STANDISH, M.D., *Assistant in Opthalmology.*
FRANCIS S. WATSON, M.D., *Instructor in Genito-Urinary Surgery.*
HERMAN F. VICKERY, M.D., *Instructor in Clinical Medicine.*
WILLIAM M. CONANT, M.D., *Instructor in Anatomy*, and *Assistant in Clinical and Operative Surgery.*
GEORGE HAVEN, M.D., *Instructor in Gynaecology* and *Assistant in Obstetrics.*
HENRY JACKSON, M.D., *Assistant in Clinical Medicine.*
GEORGE G. SEARS, M.D., *Assistant in Clinical Medicine.*
ROBERT W. LOVETT, M.D., *Assistant in Clinical Surgery.*
JOHN C. MUNRO, M.D., *Assistant in Clinical Surgery.*
FRANZ PFAFF, M.D., *Instructor in Pharmacology.*
EDWARD REYNOLDS, M.D., *Instructor in Obstetrics*, and *Assistant in Gynaecology.*
CHARLES W. TOWNSEND, M.D., *Assistant in Obstetrics.*
FREDERIC E. CHENEY, M.D., *Assistant in Ophthalmology.*
CHARLES L. SCUDDER, M.D., *Assistant in Clinical and Operative Surgery.*
ARTHUR K. STONE, M.D., *Assistant in Bacteriology.*
BENJAMIN TENNEY, M.D., *Assistant in Anatomy.*
CHARLES P. WORCESTER, M.D., *Assistant in Chemistry*, and *Secretary of the Medical Faculty.*

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WILLIAM S. BRYANT, M.D., *Assistant in Otology.*
JAMES O. JORDAN, PH.G., *Assistant in Materia Medica.*
PAUL THORNDIKE, M.D., *Assistant in Clinical Surgery.*
GEORGE A. GRAIGIN, M.D., *Assistant in Diseases of Children.*
WILLIAM H. PRESCOTT, M.D., *Assistant in Pathology.*
FRANK B. MALLORY, M.D., *Instructor in Pathology.*
JOHN L. AMES, M.D., *Assistant in Histology.*
JOHN B. BLAKE, M.D., *Assistant in Anatomy.*
WILLIAM A. BROOKS, JR., M.D., *Demonstrator of Anatomy.*
AUGUSTUS S. KNIGHT, M.D., *Assistant in Clinical Medicine.*
ALFRED L. T. SCHAPER, M.D., *Demonstrator of Histology and Embryology.*
ARTHUR H. WENTWORTH, M.D., *Assistant in Diseases of Children.*
EUGENE A. CROCKETT, M.D., *Assistant in Otology.*
EDWIN W. DWIGHT, M.D., *Assistant in Clinical Surgery.*
CARL A. EWALD, M.D., *Assistant in Chemistry.*
FRED B. LUND, M.D., *Assistant in Anatomy.*
CHARLES A. PORTER, M.D., *Assistant in Anatomy and in Operative Surgery.*
EDWARD W. TAYLOR, M.D., *Assistant in Pathology.*
FRANK S. LOCKE, M.B., *Instructor in Physiology.*
EUGENE A. DARLING, M.D., *Assistant in Bacteriology.*
HENRY F. HEWES, M.D., *Assistant in Chemistry.*
JAY B. OGDEN, M.D., *Assistant in Chemistry.*
JAMES H. WRIGHT, M.D., *Assistant in Pathology.*
FREDERICK S. DELUE, M.D., *Assistant in Histology.*
NEWTON S. BACON, A.B., *Assistant in Chemistry.*

The following gentlemen will give special clinical instruction: —

JOHN HOMANS, M.D., *in the Diagnosis and Treatment of Ovarian Tumors.*
EDWARD COWLES, M.D., LL.D., *in Mental Diseases.*
GEORGE W. GAY, M.D., *in Surgery.*
MORTON PRINCE, M.D., *in Diseases of the Nervous System.*
GEORGE L. WALTON, M.D., and PHILIP C. KNAPP, M.D., *in Diseases of the Nervous System.*
THOMAS A. DE BLOIS, M.D., JOHN W. FARLOW, M.D., and ALGERNON COOLIDGE, JR., M.D., *in Laryngology.*

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## STANDING COMMITTEES, 1895-96.

OFFICE HOURS: — Dean, Tu. and Fri. 12.15–1 P.M. Secretary, Mon. and Wed. 2–3 P.M.

*Executive Committee.* — The Dean (*Chairman*), and Drs. WHITE, BOWDITCH, BRADFORD, and SHATTUCK.

*Advertising and Catalogue.* — Dr. WOOD (*Chairman*), and Drs. FITZ and WHITNEY.

*Admission Examinations.* — Dr. BLAKE (*Chairman*), and Drs. ROTCH, HILLS, WHITNEY, ERNST, and HARRINGTON.

*Course of Study.* — Dr. FITZ (*Chairman*), and Drs. BOWDITCH, DRAPER, MASON, WARREN, W. L. RICHARDSON, and DWIGHT.

*Nominations.* — Dr. DRAPER (*Chairman*), and Drs. J. O. GREEN, SHATTUCK, COUNCILMAN, and BURRELL.

*Building.* — Dr. WOOD (*Chairman*), and Drs. W. L. RICHARDSON and WHITNEY.

*Library.* — Dr. BOWDITCH (*Chairman*), and Drs. FITZ, DWIGHT, BRADFORD, HILLS, and MINOT.

*Graduate Courses.* — Dr. WADSWORTH (*Chairman*), and Drs. BRADFORD, ROTCH, BURRELL, and DEXTER.

*Summer Courses.* — Dr. DRAPER (*Chairman*), and Drs. FITZ and M. H. RICHARDSON.

*Bullard Fellowships.* — Dr. BOWDITCH (*Chairman*), and Drs. DWIGHT, COUNCILMAN, WOOD, MINOT, and ERNST.

*Applications to Teach.* — Dr. BRADFORD (*Chairman*), and Drs. FITZ and W. T. PORTER.

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## STUDENTS.

### In Courses for Graduates.

### 1894-95.*

Abbe, Alanson Joseph, A.B. 1881, A.M. 1885, M.D. 1885, *Fall River.*

Baker, Lucius Willard, M.D. (*Univ. of the City of N. Y.*) 1880, *Baldwinsville.*

Boucher, Joseph Adelard, A.B. (*Laval Univ., Quebec*) 1888, M.D. (*Med. School Queen's Univ.*) 1884, *Watertown.*

Canfield, Ralph Metcalf, M.D. (*Univ. of Vt.*) 1882, *Stanstead, Que.*

Cousens, Nicholas William, M.D. (*Trinity Univ.*) 1891, *Waltham.*

Gardner, Edwin Fisher, M.D. 1875, *Boston.*

Gay, Warren Fisher, A.B. 1890, M.D. 1893, *Boston.*

Getchell, Albert Colby, A.B. (*Colby Univ.*) 1878, A.M. (*Ibid*) 1881, M.D. (*Jefferson Med. Coll.*) 1885, *Worcester.*

Getchell, Stillman Perry, M.D. (*Berkshire Med. Coll.*) 1865, *Malden.*

Goldthwaite, Seth Vale, M.D. (*Boston Univ.*) 1880, *Boston.*

Graham, Douglas, M.D. (*Jefferson Med. Coll.*) 1873, *Boston.*

Hammond, Charlotte Frances, M.D. (*Boston Univ.*) 1887, *Boston.*

Harriman, Charles Henry, M.D. (*Dartmouth*) 1877, *Whitinsville.*

Hopkins, Samuel Augustus, M.D. (*Coll. of Phys. & Surg., N. Y.*) 1880, D.D.S. (*N. Y. Coll. of Dentistry*) 1883, *Boston.*

Humphrey, William Harper, A.M. (*N. C. Coll.*) 1875, M.D. (*Ohio Med. Coll.*) 1877, *Yellow Springs, O.*

Jelly, Arthur Carlton, A.B. 1881, A.M., 1891, M.D. 1891, *Boston.*

Jones, Charles David, A.B. (*Boston Univ.*) 1886, M.D. 1889, *Malden.*

* After the issue of the Catalogue.

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Kelcher, Francis Joseph, A.B. (*Boston Coll.*) 1886, M.D. 1890, *Boston.*

Kelley, Michael, A.M. (*Holy Cross*), M.D. (*Bellevue*), *Fall River.*

Kingsbury, Albert Dexter, M.D. (*Georgetown Med. School*) 1869, *Boston.*

Kittredge, Frank Everett, M.D. (*Univ. of Pa.*) 1885, *Nashua, N. H.*

Lund, Fred Bates, A.B. 1888, A.M. 1892, M.D. 1892, *Boston.*

Mangan, John Joseph, A.B. (*Holy Cross Coll.*) M.D. (*Coll. of Phys. & Surg.*) *Lynn.*

McKenty, John Thomas Edmund, A.B. (*Ottawa Univ.*) 1888, M.D., C.M. (*McGill Univ.*) 1892, *Waltham.*

Morrison, James, M.D. (*L. I. Coll. Hosp.*) 1890, *Boston.*

Palmer, Sarah Ellen, M.D. (*Woman's Med. Coll. of Pa.*) 1880, *Boston.*

Sawyer, Carleton, M.D. (*Univ. of Vt.*) 1883, *Boston.*

Scudder, Charles Locke, B.A. (*Yale Univ.*) 1882, PH.B. (*Sheffield Scientific School*) 1883, M.D. 1888, *Boston.*

Sharp, Walter Nevin, M.D. (*Univ. of Vt.*) 1885, *Saxonville.*

Smith, Charles Morton, M.D. 1894, *Boston.*

Smith, Dudley, M.D. (*Cleveland Univ. Med. & Surg.*) 1894, *Boston.*

Smith, Herbert Llewellyn, A.B. (*Dartmouth*) 1882, M.D. 1887, *Boston.*

Stanley, Josiah Murch, M.D. (*Med. Dept. Univ. of N. Y.*) 1884, *Northboro'.*

Strout, Byron Howard, D.D.S. (*Boston Dental Coll.*) 1882, *Taunton.*

Tatum, Rives, M.D. (*Va. Med. Coll.*) 1874, *Boston.*

Tirrell, Vinson Meader, PH.G. (*Mass. Coll. Pharm.*) 1887, M.D. (*Coll. of Phys. & Surg., Boston*) 1892, *So. Weymouth.*

White, Leon Edward, A.B. (*Dartmouth*) 1890, M.D. (*Dartmouth*) 1893, *Roxbury.*

Whitehill, George Edward, B.L. (*Dartmouth*) 1886, M.D. (*Coll. of Phys. & Surg., Boston*) 1893, *Everett.*

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## 1895–96.

| | |
|---|---|
| Abbot, Clifton Smith, M.D. (*Dartmouth*) 1893, | *Boston.* |
| Amberg, Emil, M.D. (*Heidelberg Univ.*) 1894, | *Boston.* |
| Ayer, James Bourne, A.B. 1869, A.M. and M.D. 1873, | *Boston.* |
| Brown, Lendall Hall, M.D. (*Med. School of Me.*) 1895, | *So. Windham, Me.* |
| Church, Mary Violet, M.D. (*Kansas Med. Coll.*) 1894, | *Topeka, Kansas.* |
| Clarke, Edwin Augustus, M.D. (*Boston Univ.*) 1885, | *Worcester.* |
| Conant, Edgar Frank, A.B. (*Bowdoin Coll.*) 1890, M.D. (*Columbian Univ., Washington*) 1894, | *Lewiston, Me.* |
| Dennett, Charles Augustus, M.D. (*Boston Univ.*) 1888, | *Arlington.* |
| Dunbar, Franklin Asaph, A.B. 1878, A.M. and M.D. 1884, | *Cambridge.* |
| Enebriske, Claës Julius, A.M., PH.D. (*Royal Univ. of Leiden*) 1886, | *Boston.* |
| Farnham, Edwin, A.B. 1866, M.D. (*Univ. of Pa.*) 1869, | *Cambridge.* |
| *Fontaine, Henri Theophile, M.D. 1894, | *Boston.* |
| Hammond, Charles Bartlett, A.B. (*Dartmouth*) 1877, A.M. and M.D. (*Havard Univ.*) 1880, | *Nashua, N. H.* |
| Henderson, Charles Russell, M.D. (*Boston Univ.*) 1889, | *Reading.* |
| Higgins, Frank Adelbert, S.B. (*Worcester Polytech.*) 1886, M.D. (*Harvard Univ.*) 1893, | *Boston.* |
| Hopkins, Samuel Augustus, M.D. (*Coll. of Phys. & Surg. of N. Y.*) 1880. D.D.S. (*N. Y. Coll. of Dentistry*) 1883, | *Boston.* |
| Jenny, Arthur Barker, M.D. (*Boston Univ.*) 1888, | *Stoneham.* |
| Kelley, Michael, A.B. (*Holy Cross Coll.*) 1879, M.D. (*Bellevue*) 1885, | *Fall River.* |
| Lane, Francis Augustus, M.D. 1892, | *Peabody.* |
| *MacDonnell, John, M.D. (*Coll. of Phys. & Surg., Boston*) 1894, | *Boston.* |

* Graduates taking full course tickets.

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|---|---|
| Moulton, Charles Fred, A.B. (*Bowdoin Coll.*) 1887, A.M. (*Ibid.*) 1890, M.D. (*Dartmouth*) 1890, | *W. Roxbury.* |
| O'Leary, Joseph Augustus, M.D. (*Boston Univ.*) 1887, | *Wakefield.* |
| Patch, William Thurston, M.D. (*Univ. of City of N. Y.*) 1890, | *Roxbury.* |
| *Randall, Arthur Theodore, M.D. (*Northwestern Univ. Med. School*) 1895, | *Roxbury.* |
| Sayles, Joseph Borland, M.D. (*Bellevue*) 1888, | *West Newton.* |
| Scoboria, Arthur Gilmore, M.D. (*Tufts*) 1895, | *So. Chelmsford.* |
| Smith, Samuel Phinney, M.D. (*Maine Med. School*) 1882, | *Brunswick, Me.* |
| Stevens, Oscar Howard, M.D. (*Bishop's Coll. Montreal*) 1895, | *Somerville.* |
| Stone, Waldo Hodges, M.D. (*Boston Univ.*) 1882, | *Providence, R. I.* |
| Thompson, Charles Oscar, PH.G. (*Mass. Coll. Pharm.*) 1887, M.D. (*Columbia, N. Y.*) 1889, | *Boston.* |
| Urie, John Francis, M.D. 1888, | *Boston.* |
| Webster, George Arthur, M.D. 1889, | *Boston.* |
| Wesley, John Lyman, M.D. (*American Health Coll.*) 1886, | *Nashua, N. H.* |
| White, Leon Edward, A.B. (*Dartmouth*) 1890, M.D. (*Dartmouth Med. School*) 1893, | *Roxbury.* |

FOURTH CLASS.

| | |
|---|---|
| Anderson, Hyrum Andrew, | *Provo, Utah.* |
| Andrews, Edward Austin, | *Malden.* |
| Andrews, Harold Virgil, | *Lawrence.* |
| Barnes, Harry Aldrich, | *Somerville.* |
| Burke, Michael Francis, A.B. (*Boston Coll.*) 1892, | *Natick.* |
| Carpenter, Dudley Newcomb, | *Portsmouth, N. H.* |
| Clap, Edmund Wright, A.B. 1892, | *Attleborough.* |
| Cooke, Henry Arnold, A.B. (*Amherst Coll.*) 1889, | *No. Brookfield.* |
| Crandell, Arthur Richmond, A.B. 1892, | *Taunton.* |
| Cross, William Patrick, | *So. Boston.* |
| Cummin, John White, A.B. 1892, | *Williamsport, Pa.* |
| Curry, Edmund Farnham, | *Winchester.* |
| Curry, Joseph James, | *Charlestown.* |

* Graduates taking full course tickets.

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|---|---|
| Cusick, Thomas Francis, | *Taunton.* |
| Daniel, Vivian, | *E. Boston.* |
| Donnelly, Harry Albert, | *Boston.* |
| Dow, George Farwell, A.B. 1892, | *Reading.* |
| Eaton, Richard Gardner, A.B. (*Yale Univ.*) 1892, | *Wakefield.* |
| Ellsworth, Samuel Walker, A.B. 1893, | *Braintree.* |
| Fisher, James Tucker, M.D.V. 1894, | *Roxbury.* |
| Flint, Carleton Phillips, | *Boston.* |
| Freeman, George Franklin, A.B. (*Bowdoin Coll.*) 1890, | *Everett.* |
| Frost, Horace Bird, A.B. 1892, | *Belmont.* |
| Gallagher, William Howard, | *E. Boston.* |
| Goulding, Timothy Francis, | *Somerville.* |
| Greenough, Robert Battey, A.B. 1892, | *Cambridge.* |
| Haines, Ignatius, | *Cambridge.* |
| Hart, Michael Joseph, | *W. Fitchburg.* |
| Hawkins, Joseph Francis, | *Providence, R. I.* |
| Hickey, John Aloysius, A.B. (*Boston Coll.*) 1887, | *E. Boston.* |
| Hinckley, Donald Rose, A.B. (*Yale Univ.*) 1892, | *Northampton.* |
| Holland, Hubert Thomas, | *Jamaica Plain.* |
| Howland, Joseph Briggs, | *Brookline.* |
| Hubbard, Joshua Clapp, A.B. 1892, | *Boston.* |
| Johnson, Graham Dove, | *Boston.* |
| Jones, Daniel Fiske, A.B. 1892, | *Minneapolis, Minn.* |
| Knight, Charles Storer, | *Deering, Me.* |
| Landers, Maurice Joseph, | *Lowell.* |
| Langdon, Francis Eustis, | *Portsmouth, N. H.* |
| Lavallee, George Omer, | *Lowell.* |
| Loring, Robert Gardner, A.B. 1892, | *Boston.* |
| Loughran, James Francis, | *Lowell.* |
| Lyon, Frederick Dow, A.B. (*Tufts Coll.*) 1892, | *Poland, Me.* |
| McCarthy, Timothy Francis, A.B. (*Holy Cross Coll.*) 1892, | *E. Boston.* |
| McCauley, Albert Anthony, A.B. (*Holy Cross Coll.*) 1892, | *Springfield* |
| McDermott, William Vincent, | *Peabody.* |
| McGillicuddy, Cornelius Joseph, A.B. (*Boston Coll.*) 1892, | *Boston.* |
| McGourty, James Eugene, | *Worcester.* |
| McIsaac, John Alexander, A.B. (*St. Francis Xavier Coll.*) 1892, | *Boston.* |
| McKeen, George Wilbert, S.B. (*Dalhousie Coll.*) 1892, | *Baddeck, N. S.* |

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McKeen, Sylvester Forshay, *Cambridge.*
Mahon, James Arthur, *Dorchester.*
Mains, Charles Frederick, *Framingham.*
Mann, Arthur Teall, S.B. (*Univ. of Minn.*) 1888, *Minneapolis, Minn.*
Maskell, Leonard Joseph, A.B. (*Holy Cross Coll.*) 1891, *Newton.*
Morgan, William Edward, *Dorchester.*
Mosher, Harris Peyton, A.B. 1892, *Brookline.*
Newell, Franklin Spilman, A.B. 1892, *Roxbury.*
Oakes, Fitz Albert, *Gloucester.*
O'Connor, John Henry, A.B. (*Holy Cross Coll.*) 1892, *No. Chelmsford.*
O'Sullivan, John Joseph, *Lawrence.*
Page, George Thornton, A.B. 1892, *Cambridgeport.*
Parker, Arthur Holmes, *Everett.*
Perry, Arthur Reed, A.B. 1892, *Attleborough.*
Perry, Henry Joseph, A.B. (*Tufts Coll.*) 1892, *Cooperstown, N. Y.*
Pickard, Isaiah Lovell, A.B. (*Amherst Coll.*) 1891, *Littleton.*
Pleadwell, Frank Lester, *Taunton.*
Sanborn, John Wesley, *Boston.*
Schwab, Sidney Isaac, *St. Louis, Mo.*
Scudder, Gardiner Hubbard, A.B. 1892, *Cambridge.*
Sears, Harry Edward, A.B. 1893, *Boston.*
Shanahan, Thomas Joseph, *Lawrence.*
Smith, William Henry, A.B. (*Brown Univ.*) 1892, *Fall River.*
Strong, Lawrence Watson, A.B. 1892, *Waban.*
Sullivan, Walter Green, *Providence, R. I.*
Thorndike, William, A.B. 1892, *Boston.*
Torrey, John Paine, *Harvard.*
Vose, Robert Henry, A.B. (*Amherst Coll.*) 1892, *Providence, R. I.*
Washburn, Frederic Augustus, Jr., A.B. (*Amherst Coll.*) 1892, *New Bedford.*
Watkeys, Frederick William, *Boston.*
Webber, Henry Allen, *Winthrop.*
Woodbury, Frank Taylor, *No. Weare, N. H.*
Worthington, Arthur Morton, S.B. (*Mass. Inst. of Tech.*) 1892, *Dedham.*
Young, Ernest Boyen, A.B. (*Bowdoin Coll.*) 1892, *Brunswick, Me.*

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THIRD CLASS.

| | |
|---|---|
| Adams, William Gray, | *Hyde Park.* |
| Allen, Seabury Wells, A.B. 1891, | *Boston.* |
| Badger, George Sherwin Clarke, A.B. (*Yale Univ.*) 1892, A.M. (*Ibid.*) 1894, | *Boston.* |
| Barton, John Alfred, | *Waltham.* |
| Barton, William Henry, | *Waltham.* |
| Blodgett, John Hammond, | *Boston.* |
| Briggs, Charles Edwin, A.B. (*Oberlin Coll.*) 1893, | *Calumet, Mich.* |
| Broughton, Arthur Nicholson, A.B. 1893, | *Jamaica Plain.* |
| Buffum, Herbert Edwin, | *Somerville.* |
| Burke, Ernest Gisborne, A.B. 1893, | *Quincy.* |
| Burrows, Fred Grant, A.B. (*Leland Stanford Jr. Univ.*) 1892, A.M. (*Ibid.*) 1893, | *Chualar, Cal.* |
| Butler, Charles Shorey, A.B. 1893, | *Boston.* |
| Catlin, Sanford Robinson, PH.B. (*Beloit Coll.*) 1893, | *Rockford, Ill.* |
| Chamberlain, Weston Percival, A.B. (*Bowdoin Coll.*) 1893, | *Bristol, Me.* |
| Chapman, Edwin Morton, | *Needham.* |
| Clough, Frank Herbert, | *Allston.* |
| Collin, Carl Oscar Louis, | *Boston.* |
| Costello, John Henry, Jr. | *Boston.* |
| Daly, Timothy Joseph, | *Lawrence.* |
| Davis, William Horace, A.B. 1893, | *Holyoke.* |
| Dean, Ralph Deniston, | *Taunton.* |
| Decker, William Nelson, | *Concord.* |
| Donlan, John Malachi, | *Fitchburg.* |
| Donoghue, James Crowley, | *Georgetown.* |
| Downey, William Henry, A.B. (*Amherst Coll.*) 1892, | *No. Brookfield.* |
| Dudley, Charles, | *Abington.* |
| Emery, George Edwin, | *Milford.* |
| Fitzgerald, Thomas Patrick, A.B. (*Boston Coll.*) 1893, | *Cambridge.* |
| Galloupe, Joseph Abbott, | *Beverly.* |
| Gilbert, Louis Whitmore, A.B. 1893, | *Cambridge.* |
| Guiler, Robert Workman, | *Boston.* |
| Handy, Harry Tucker, | *Marion.* |
| Hixon, Edwin Colfax, | *Denver, Col.* |
| Hogan, Joseph Ambrose, | *Lawrence.* |
| Hurd, Randolph Campbell, | *Newburyport.* |

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|---|---|
| Jones, Frederick Ellis, | *Quincy.* |
| Kernan, William Everett, | *Wakefield.* |
| Larrabee, Ralph Clinton, A.B. 1893, | *Boston.* |
| Lecompte, Walter Augustus, A.B. 1893, | *Newton Centre.* |
| Lees, Rush Oliver, | *Plymouth, Pa.* |
| McCormick, Thomas Henry, | *Taunton.* |
| McMurtry, Charles Wood, | *Allegheny, Pa.* |
| Maguire, Charles Francis, A.B. (*Boston Coll.*) 1893, | *Somerville.* |
| Marcy, Henry Orlando, Jr., A.B. 1893, | *Boston.* |
| Maulhardt, Adolph Antone, | *Ventura, Cal.* |
| Metzger, Butler, | *Lynn,* |
| Montoya, José Maria, | *Bogota, Columbia, S. A.* |
| Moore, John Henry, | *Pittsfield, Ill.* |
| Moorehouse, George Wilton, L.B. (*Univ. of Wis.*) 1891, L.M. (*Ibid.*) 1893, | *Wauwatosa, Wis.* |
| Morrill, Sibley Gage, | *Concord, N. H.* |
| Newsome, Edgar Thomas, | *Roslindale.* |
| O'Neil, Richard Frothingham, | *Boston,* |
| Patten, Stephen Kerr, | *Boston.* |
| Pegram, John Combe, Jr., A.B. (*Brown Univ.*) 1892, | *Providence, R. I.* |
| Perley, Roscoe Damon, | *Ipswich.* |
| Pettee, John Harris, | *Roxbury.* |
| Reed, Victor Augustus, | *Roxbury.* |
| Richmond, Simon, | *Chelsea.* |
| Rothfuchs, Charles Christian, | *Boston.* |
| Rust, Frank Lee Drummond, | *Cambridge.* |
| Ryerson, Edwin Warner, | *Chicago, Ill.* |
| Shea, John Joseph, | *Salem.* |
| Smart, Frank Everard, | *Lawrence.* |
| Smyser, Charles James, | *Brookline.* |
| Spalding, Fred Maurice, A.B. 1893, | *Cambridge.* |
| Spooner, Henry Garrettson, A.B. 1894, | *Boston.* |
| Stack, Charles Francis, A.B. (*Boston Coll.*) 1893, | *Hyde Park.* |
| Stepp, Jacob, Jr., | *Boston.* |
| Stetson, Frank Eliot, A.B. 1893, | *New Bedford.* |
| Stetson, Frederick Winslow, A.B. 1894, | *Duxbury.* |
| Stevens, Ralph Emerson, | *Marlboro'.* |
| Stubbs, Frank Raymond, A.B. 1893, | *Cambridgeport.* |
| Sturdivant, Guy Waldron, | *Roxbury.* |
| Sullivan, John Thomas, Jr., | *Boston.* |
| Swain, Howard Townsend, | *Copake, N. Y.* |

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Walton, William Joseph, D.M.D. 1894, *Dorchester.*
Weeks, William Joshua, *New Bedford.*
Whiteside, George Shattuck, *Boston.*
Williams, Harry Edwin, *Newtonville.*
Willis, Charles Austin, PH.B. (*Tufts Coll.*) 1892, *Waltham.*
Yost, John Dickson, *San Francisco, Cal.*

SECOND CLASS.

Atkinson, Roger Trowbridge, A.B. 1894, *Wakefield.*
Bacon, Theodore Spaulding, B.S. (*Boston Univ.*) 1894, *Natick.*
Bailey, Walter Channing, A.B. 1894, *E. Somerville.*
Balch, Alfred William, PH.G. (*Coll. of Pharm.*) 1894, *Boston.*
Bartlett, Samuel Danforth, *Woburn.*
Beebe, Arthur Appleton, A.B. 1894, *Boston.*
Binford, Ferdinand Augustus, *Boston.*
Birge, Russell Hall, A.B. (*Brown Univ.*) 1894, *Providence, R. I.*
Bonney, Robert, *Chelsea.*
Boodro, William Henry, *So. Boston.*
Brown, Alphonso Bickford, A.B. (*Yale Univ.*) 1894, *Dover, N. H.*
Buck, Maurice Allan, *No. Wilmington.*
Burns, Frederick Stanford, *Boston.*
Cabot, Hugh, A.B. 1894, *Boston.*
Cary, Foster Harrington, *Boston.*
Churchill, Donald, A.B. 1893, *Andover.*
Coburn, Horace Fordyce, *Lowell.*
Collins, William James, *Ware.*
Cottrell, Henry Joseph, A.B. (*Holy Cross Coll.*) 1894, *Newport, R. I.*
Crandon, LeRoi Goddard, A.B. 1894, *Malden.*
Crawford, Francis Xavier, A.B. (*Boston Coll.*) 1894, *So. Boston.*
Cronin, Michael John, *Haverhill.*
Cummings, Frederic Russell, *Concord, N. H.*
Currier, William Eugene, A.B. (*Bowdoin Coll.*) 1894, *Leicester.*
Cutler, Charles Newton, *Chelsea.*
Davis, Lincoln, A.B. 1894, *Boston.*
Dearborn, Sam Starrett, A.B. 1894, *Nashua, N. H.*
Dodge, George Byron, A.B. (*Dartmouth Coll.*) 1893, *Manchester, N. H.*
Donlan, Charles Edwin, *Lowell.*

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|---|---|
| Donohoe, George, | *Dorchester.* |
| Dorgan, Joseph Aloysius, | *Lawrence.* |
| Dowd, Edward Francis, A.B. (*Georgetown Univ.*) 1894, | *So. Natick.* |
| Drake, Arthur Knowlton, | *Bristol, N. H.* |
| Dray, Frank Raymond, A.B. (*Leland Stanford Jr. Univ.*) 1895, | *Sacramento, Cal.* |
| Duckering, William West, | *Roxbury.* |
| Elliott, James William, Jr. | *Boston.* |
| Ellis, William Raymond, | *Somerville.* |
| Emerson, Ernest Benjamin, | *Everett.* |
| Everett, Eugene Ellsworth, A.B. (*Brown Univ.*) 1894, | *Providence, R. I.* |
| Fair, John Francis, | *Natick.* |
| Ferguson, Edward Hugh, | *So. Boston.* |
| Field, Harvey Adams, | *Quincy.* |
| Fischer, Oscar Edward, | *Salem, Mo.* |
| Fitzgerald, Maurice Edward, Jr. | *Boston.* |
| Forbes, Edwin Bannister, | *Lawrence.* |
| Forrest, Robert Francis, | *Watertown.* |
| Gallagher, Thomas Morton, | *Wellesley.* |
| Gavin, Joseph Leo, | *So. Boston.* |
| Gaylord, William Avery, | *Pawtucket, R. I.* |
| Germain, Harry Homer, | *Los Angeles, Cal.* |
| Gibbons, Sherwin, A.B. 1894, | *Boston.* |
| Griffin, Clifford Henry, A.B. (*Brown Univ.*) 1894, | *Providence, R. I.* |
| Grimes, James Henry, | *Boston.* |
| Halloran, Timothy Joseph, A.B. (*Holy Cross Coll.*) 1894, | *Lowell.* |
| Hamilton, Walter, | *Holyoke.* |
| Hancock, John Clifford, | *Dubuque, Ia.* |
| Hardy, Theodore Everett, | *Farmington, Me.* |
| Harris, Samuel Jacob, Jr. | *Williamsburg, Va.* |
| Hart, Joseph Storer, | *Lincoln.* |
| Hartnett, Edward Daniel, | *E. Boston.* |
| Hartwell, Harry Fairbanks, A.B. 1895, | *Boston.* |
| Harvey, William Wirt, | *Dorchester.* |
| Hatfield, Hugh Kerr, | *Boston.* |
| Hayes, Albert Edwin, | *Boston.* |
| Healy, Daniel Lawrence, A.B. (*Boston Coll.*) 1894, | *W. Newton.* |
| Hinchey, Richard, | *Lexington.* |
| Homan, John Milton, | *Roslindale.* |

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|---|---|
| Howard, Eugene Henry, A.B. (*Holy Cross Coll.*) 1894, | *No. Brookfield.* |
| Howe, Walter Clarke, A.B. (*Amherst Coll.*) 1894, | *Dedham.* |
| Hudnut, Paul Albert, | *Needham.* |
| Huntington, Alfred Thomas, | *Chelsea.* |
| Hyde, Frederick Tanquary, | *Winchester, Va.* |
| Ingoldsby, Joseph Emmanuel, | *Boston.* |
| Johnson, David Joseph, | *Roxbury.* |
| Johnson, Walter Sydney, A.B. 1894, | *Minneapolis, Minn.* |
| Kahn, Maurice, | *Leadville, Col.* |
| Keate, Walter, | *St. George, Utah.* |
| Kennedy, Harris, A.B. 1894, | *Roxbury.* |
| Kepler, Charles Ober, A.B. (*Baldwin Univ.*) 1887, A.M. (*Ibid.*) 1890, S.T.B. (*Boston Univ.*) 1892, | *Boston.* |
| King, Myron Louis, | *Cambridge.* |
| Ladd, Maynard, A.B. 1894, | *Fishkill, N. Y.* |
| Leonard, Edwin, Jr. | *Dover.* |
| Leslie, Herbert Granville, | *Amesbury.* |
| Lippincott, Walter Maynard, | *Chicago, Ill.* |
| Logan, Francis Parker Tays, | *Boston.* |
| Low, Harry Chamberlain, A.B. 1893, | *Salem.* |
| McAllister, Fred Danforth, A.B. (*Amherst Coll.*) 1894, | *Lawrence.* |
| McEvoy, George Albert, | *Lawrence.* |
| Mackay, Edward Hart, | *Clinton.* |
| McKenna, James Charles, | *Charlestown.* |
| Mackie, William Charles, A.B. 1894, | *Boston.* |
| Madden, John Joseph, A.B. (*Mt. St. Mary's Coll.*) 1892, | *Boston.* |
| Magrath, George Burgess, A.B. 1894, | *Milton.* |
| Mahoney, Cornelius James, | *E. Providence, R. I.* |
| Maloney, William Valentine, | *Boston.* |
| Manix, Edward Tuck, | *Exeter, N. H.* |
| Mansur, Leon Wallace, | *Boston.* |
| Marston, Joseph Norris, | *Lowell.* |
| May, William Ropes, A.B. 1894, | *Philadelphia, Pa.* |
| Means, Philip Corydon, | *Merrimac.* |
| Merriam, Franklin Henry, | *Greenville, N. H.* |
| Miller, James, | *Boston.* |
| Moore, Francis, Jr. | *Charlestown.* |
| Moore, James Spencer, A.B. (*Brown Univ.*) 1894, | *E. Providence, R. I.* |

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|---|---|
| Murphy, Stephen Nicholas, | *Danversport.* |
| Musgrave, Percy, A.B. 1894, | *New York, N. Y.* |
| O'Brien, Walter John Leo, | *So. Boston.* |
| O'Donnell, George Thomas, | *Marlboro'.* |
| Parker, Edward Graham, | *Auburndale.* |
| Parker, Maurice Wesley, | *Chicago, Ill.* |
| Paul, Luther Gordon, | *Newton Centre.* |
| Pearson, George Burton, | *Boston.* |
| Peirce, Frederic Joseph, | *Atlantic.* |
| Pierce, George Alphonso, | *Roxbury.* |
| Perry, Edgar, A.B. (*Brown Univ.*) A.M. (*Ibid.*) 1880, | *Boston.* |
| Pierce, George Burgess, A.B. 1893, | *Milton.* |
| Pike, Forrest Fay, | *Boston.* |
| Pillsbury, Frederick Ainsworth, | *Boston.* |
| Pinkham, Edward Warwick, A.B. 1892, | *Lynn.* |
| Provandie, Paul Hector, | *Melrose Highlands.* |
| Richardson, Oscar, | *Boston.* |
| Rideout, Herman Leslie, | *Highlands, N. C.* |
| Rose, William Henry, | *Worcester.* |
| Ross, Lucretius Henry, A.B. (*Middlebury Coll.*) 1890, | *Poultney, Vt.* |
| Rounds, Albert Waterman, | *Providence, R. I.* |
| Ryder, Charles Edward, | *So. Boston.* |
| Sands, Edward Parker, | *Boston.* |
| Sawyer, Edward Keyes, | *Somerville.* |
| Sayward, William Henry, Jr., S.B. (*Mass. Inst. Tech.*) 1894, | *Dorchester.* |
| Slate, Ames Wilsworth, | *Springfield.* |
| Small, Richard Dresser, A.B. 1894, | *Portland, Me.* |
| Soutter, Robert, A.B. 1894, | *New York, N. Y.* |
| Stowe, Irving Elmer, | *Detroit, Mich.* |
| Sughrue, Dennis Francis, | *Dorchester.* |
| Sweet, John Henry, Jr. | *Newport, R. I.* |
| Thompson, Richard Henry, B.S. (*Worcester Polytech. Inst*). 1892, | *Brockton.* |
| Tilden, Irving Niles, S.B. 1894, | *New Bedford.* |
| Tobin, John Henry, | *Lawrence.* |
| Truesdale, Philemon Edwards, | *Fall River.* |
| Turner, Charles Humphrey, A.B. (*Williams Coll.*) 1881, | *Blackinton.* |
| Van Magness, Benjamin, Jr. | *Chelsea.* |
| Vinal, Harry Gardner, | *Wellesley.* |

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|---|---|
| Walker, David Harold, | *Pittsburg, Pa.* |
| Ward, Parker Myles, | *Boston.* |
| Watson, Frank Gilman, | *Roxbury.* |
| Weil, Arthur Irving, | *Huntsville, Ala.* |
| Weis, Joseph Deutsch, | *New Orleans, La.* |
| Wennerberg, Francis Joseph, | *Boston.* |
| White, Michael William, A.B. (*Boston Coll.*) 1894, | *E. Weymouth.* |
| Williams, Hugh, A.B. 1894, | *Brookline.* |
| Willis, Dwight Fletcher, PH.B. (*Tufts Coll.*) 1892, | *Waltham.* |
| Woodbury, Herbert Elwell, B.S. (*Boston Univ.*) 1889, | *Gloucester.* |
| Woods, Frederick Adams, | *Brookline.* |
| Wormelle, Charles Burton, | *Brighton.* |
| York, Herbert Leroy, | *Dorchester.* |
| Zavala, Joaquin, Jr. | *Granada, Nicaragua, C.A.* |

FIRST CLASS.

| | |
|---|---|
| Allen, Freeman, A.B. 1893, | *Boston.* |
| Austin, William Thomas, | *Boston.* |
| Bacon, Joseph Charles, | *Boston.* |
| Bacon, Newton Samuel, A.B. 1895, | *Cambridge.* |
| Bailey, William Thomas, B.S. (*Dartmouth Coll.*) 1891, | *Nashua, N. H.* |
| Baker, Albert Sherburne, A.B. (*Amherst Coll.*) 1894, | *Boston.* |
| Bangs, Dennis Milliken, A.B. (*Bowdoin Coll.*) 1891, | *Waterville, Me.* |
| Barnes, James Arthur, A.B. (*Holy Cross Coll.*) 1895, | *Fitchburg.* |
| Beddall, Albert Richard, | *Chelsea.* |
| Bedell, Charles Ellsworth, | *Somerville.* |
| Beering, Frederic William, Jr. | *So. Boston.* |
| Berry, Martin Whitten, A.B. (*Williams Coll.*) 1895, | *Portland, Me.* |
| Bibber, Harold Thornton, | *Bath, Me.* |
| Blodgett, Charles Martin, | *Boston.* |
| Boutelle, Harry Clifton, | *Dorchester.* |
| Bowen, Alfred Preston, | *Lynn.* |
| Boyer, Joseph Napoleon, Jr. | *Springfield.* |
| Brennan, Joseph Thomas Louis, | *Lowell.* |
| Breneman, Henry Kendig, | *San Antonio, Texas.* |
| Brenneman, Richard Emmor, | *Congo, W. Va.* |

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Brock, Lawrence Ambrose, A.B. (*Boston Coll.*) 1895, *Malden.*
Brown, Fred Phillips, *Haverhill.*
Bryant, Fred, A.B. (*Colby Univ.*) 1895, *Pittsfield, Me.*
Cadigan, John Joseph, A.B. (*Boston Coll.*) 1891, A.M. (*St. Francis Xavier Coll.*) 1892, *Boston.*
Callahan, Joseph Thomas, *Woburn.*
Carmody, William Francis, A.B. (*Holy Cross Coll.*) 1885, *Worcester.*
Carroll, Thomas Francis, *Roxbury.*
Cassidy, James Joseph, *Lowell.*
Cleveland, Heber Howe, *Somerville.*
Cliff, Alfred Addington, *Boston.*
Costello, Israel Franklin, *Lowell.*
Crane, Carl Custer, *Melrose.*
Crosby, Walter Theodore, B.P. (*Brown Univ.*) 1895, *Brockton.*
Crowell, George Marcus, A.B. (*Brown Univ.*) 1894, *Providence, R. I.*
Davis, Charles Henry, *Somerville.*
Davis, Edward Jackson, A.B. (*Fisk Univ.*) 1895, *Sumter, S. C.*
Davis, George Adams, *Worcester.*
Dean, Charles Edgar, *Brockton.*
Dix, George Alfred, *Cambridge.*
Dixon, Patrick Joseph Harkins, A.B. (*Holy Cross Coll.*) 1895, *Holyoke.*
Dodge, Arthur Malcolm, *Hampton Falls, N. H.*
Dowd, Francis Christopher, *Somerville.*
Drummond, Edward Augustus, *Brookline.*
Duncan, Samuel White, Jr., A.B. (*Brown Univ.*) 1895, *Brookline.*
Easton, Elwood Tracy, *Rockland.*
Elliot, John Seaver, *Manchester, N. H.*
Emerson, William Robie Patten, A.B. (*Dartmouth Coll.*) 1892, *Candia, N. H.*
Fiske, Charles Norman, *Upton.*
Flanagan, William Francis, A.B. (*Manhattan Coll.*) 1895, *Providence, R. I.*
Friedman, Leo Victor, A.B. 1895, *Cambridge.*
Fulton, Dugald MacEachran, *Cambridge.*
Geib, Frank Julius, A.B. 1895, *Cambridge.*
Gleason, Benjamin Whitney, B.L. (*Norwich Univ.*) 1892, *Brookline.*

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|---|---|
| Glidden, Howard Kenneth, | *Cambridge.* |
| Golden, Lazarus, | *Boston.* |
| Graves, William Phillips, A.B. (*Yale Coll.*) 1891, | *Andover.* |
| Gray, Hugh Barr, | *Boston.* |
| Greene, Daniel Crosby, Jr., A.B. 1895, | *Cambridge.* |
| Grimes, Jesse Rideout, | *Franconia, N. H.* |
| Hammond, William John, | *Quincy.* |
| Hanrahan, George Francis, | *Lawrence.* |
| Harvey, John Franklin, Jr. | *Boston.* |
| Haskins, Frank Henry, A.B. (*Williams Coll.*) 1893, | *Springfield.* |
| Hatch, Edward Sparhawk, | *Brighton.* |
| Hawes, Charles Sumner, A.B. 1893, | *Cambridge.* |
| Herrick, Timothy George, | *Newport, N. H.* |
| Hill, George Sumner, | *Boston.* |
| Holt, Frank Hammett, PH.G. (*Mass. Coll. of Pharm.*) 1895, | *Newport, R. I.* |
| Howard, Joseph Francis, | *Lawrence.* |
| Howard, Percy Briggs, | *Brookline.* |
| Hudson, Arthur Stanton, | *Newton.* |
| Jack, Lewis Harlow, | *Portland, Me.* |
| Jameson, Herbert Wendell, A.B. 1895, | *Jamaica Plain.* |
| Jefferson, Willis Grover, | *Norwood.* |
| Johnson, Harold Abbott, A.B. (*Williams Coll.*) 1895, | *Brookfield.* |
| Jouett, Fred Robert, | *Somerville.* |
| Kirgis, Adrien, | *So. Manchester, Conn.* |
| Knight, Herbert Granville, | *Malden.* |
| Knowlton, John Greenleaf Whittier, A.B. (*Bowdoin Coll.*) 1895, | *Bath, Me.* |
| Lake, Frederick Williams, | *Omaha, Neb.* |
| Lane, George Andrew, | *Haverhill.* |
| Lane, Walter Appleton, A.B. (*Dartmouth Coll.*) 1895, | *Chicago, Ill.* |
| Latham, Benoni Moury, | *Smithfield, R. I.* |
| Lazarus, Benjamin, | *Boston.* |
| Leighton, William Elston, A.B. (*Bowdoin Coll.*) 1895, | *Deering, Me.* |
| Leonard, Andrew Michael, A.B. (*Holy Cross Coll.*) 1895, | *Lawrence.* |
| Looney, William Dee, | *Salem.* |
| MacDonald, William Clifford, | *Pictou, N. S.* |

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|---|---|
| Manahan, Thomas James, | *Boston.* |
| McAdams, Peter Stephens, A.B. 1895, | *Somerville.* |
| McAuslan, James Lewis, | *Marlboro.* |
| McCarthy, Frederick, | *Malden.* |
| McDermott, Joseph Edward, | *Charlestown.* |
| McDonald, Louis Francis, | *Halifax, N. S.* |
| McDonald, William Joseph, A.B. 1895, | *Charlestown.* |
| McGann, John Henry, | *Natick.* |
| McLaren, Alexander Lorne, | *E. Boston.* |
| McNamara, Thomas Francis, A.B. (*Holy Cross Coll.*) 1895, | *So. Framingham.* |
| Mellus, Edward, | *Worcester.* |
| Moore, Philip Patrick, | *Gloucester.* |
| Morgan, John Albert, | *Hyde Park.* |
| Morris, John Joseph, | *E. Boston.* |
| Moser, Albert, A.B. (*Oberlin Coll.*) 1892, | *Lima, O.* |
| Mullane, Joseph William, | *Brighton.* |
| Newton, Edward Roswell, | *Hartford, Conn.* |
| Neilsen, Edwin Björne, | *Montpelier, Vt.* |
| Nightingale, James, | *Boston.* |
| Nolan, William Francis, | *Jamaica Plain.* |
| O'Brien, Thomas James, PH.G. (*Mass. Coll. of Pharm.*) 1895, | *Somerville.* |
| Odiorne, Walter Burlingame, A.B. 1895, | *Cambridge.* |
| Osgood, Robert Bayley, A.B. (*Amherst Coll.*) 1895, | *Salem.* |
| O'Shea, Daniel Joseph, | *E. Boston.* |
| O'Shea, John Francis, A.B. (*Holy Cross Coll.*) 1895, | *Newport, R. I.* |
| Perault, Moses Joseph, Jr., A.B. (*Mt. St. Mary's Coll.*) 1895, | *Fitchburg.* |
| Perkins, Herbert Crawford, | *Lowell.* |
| Pierce, Charles Willard, A.B. (*Boston Univ.*) 1895, | *Ashland.* |
| Pillsbury, Borden Harlin, A.B. (*Dartmouth Coll.*) 1895, | *Lowell.* |
| Pope, Ernest Folger, | *Hudson.* |
| Pote, Leonard Hol len, | *Somerville.* |
| Potter, Alexander Carleton, A.B. 1895, | *Boston.* |
| Prevâux, John Jacob, | *Amesbury.* |
| Pritchard, William Percival, | *Fall River.* |
| Ray, Robert Bentley, | *Swampscott.* |
| Reagh, Arthur Lincoln, S.B. 1894, | *W. Roxbury.* |

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Reilly, James Aloysius, *So. Boston.*
Rood, Luther Colby, *E. Boston.*
Ryder, George Hale, PH.B. (*Wesleyan Univ.*) 1895, *Hartford, Conn.*
Sanborn, Fletcher Greene, *Ashmont.*
Saunders, Joseph Henry, A.B. (*Tufts Coll.*) 1895, *Everett.*
Schereschewsky, Joseph Williams, A.B. 1895, *Boston.*
Schmidt, Frederick Sextus, PH.G. (*Mass. Coll. of Pharm.*) 1895, *Boston.*
Seelye, Walter Clark, A.B. (*Amherst Coll.*) 1895, *Boston.*
Shaw, Francis, *New Bedford.*
Silbert, Joseph, *Boston*
Silver, David, *Wellsville, O.*
Simmons, Channing Chamberlain, *Boston.*
Simmons, Samuel Ewer, A.B. (*Leland Stanford, Jr. Univ.*) 1895, *Sacramento, Cal.*
Skarstrom, William, *Waverley.*
Smith, Howard Harry, PH.G. (*Mass. Coll. of Pharm.*) 1895, *Boston.*
Smith, Richard Augustine, A.B. (*Boston Coll.*) 1894, *Boston.*
Snow, Frederick Stedman, A.B. 1895, *Jamaica Plain.*
Spalter, Charles Marsh, *Keene, N. H.*
Spaulding, Charles Lester, A.B. (*Williams Coll.*) 1890, *Townsend Harbor.*
Sproules, Joseph Aloysius, A.B. (*Georgetown Univ.*) 1895, *Boston.*
Starkweather, Robert Parsons, *Milwaukee, Wis.*
Stedman, Edward Hemenway, A.B. (*Amherst Coll.*) 1894, *Jamaica Plain.*
Stevens, Allan Prescott, A.B. (*Brown Univ.*) 1895, *Bristol, R. I.*
Sullivan, Joseph Lawrence, *Dorchester.*
Sullivan, Patrick Eugene, A.B. (*Holy Cross Coll.*) 1895, *Lowell.*
Swift, Henry Marshall, A.B. 1894, *Marlboro.*
Taylor, John Danforth, *E. Boston.*
Teague, Edward, *Lowell.*
Thayer, Hartley Wales, A.B. (*Yale Univ.*) 1895, *Holbrook.*
Thomas, John Willard, A.B. 1895, *Cambridge.*
Thomas, Miner Raymond, A.B. (*Amherst Coll.*) 1878, *Boston.*
Thompson, Victor Veranus, A.B. (*Bowdoin Coll.*) 1890, *Friendship, Me.*

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|---|---|
| Tileston, Wilder, A.B. 1895, | *Milton.* |
| Tupper, Arthur Gordon, | *Rockport.* |
| Tyler, Fred Sylvester, A.B. (*Yale Univ.*) 1895, | *Hammonton, N. J.* |
| Vogel, James Oswald, | *W. Quincy.* |
| Wales, Ernest de Wolfe, | *Boston.* |
| Walling, Charles Harold, B.P. (*Brown Univ.*) 1895, | *Providence, R. I.* |
| Ward, William Greenleaf, | *Cambridgeport.* |
| Warden, Ralph Alexander, | *Boston.* |
| Warren, Alva Harding, | *Rockland.* |
| Waterman, George Arthur A.B. 1895, | *Malden.* |
| White, Herbert Augustus, | *Somerville.* |
| Whoriskey, John Joseph, | *Cambridge.* |
| Wilkins, Charles Downes, | *Peterboro, N. H.* |
| Wilkins, George Clarence, | *Manchester, N. H.* |
| Williams, Allen Hamilton, A.B. 1891, | *Fort Wayne, Ind.* |
| Wingersky, Abraham Samuel, | *Boston.* |
| Wood, Frank Lyon, | *Boston.* |
| Woodman, Julian Cushman, A.B. (*Bates Coll.*) 1894, | *Melrose.* |
| Worth, Edward Phillip, PH.G. (*Mass. Coll. of Pharm.*) 1895, | *Edgartown.* |
| Yardumian, Mamong Garabet, | *Boston.* |

## SUMMARY.

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|---|---|
| In Courses for Graduates, 1895–96 (to Dec. 3) . . | 34 |
| Fourth Class . . . . . | 84 |
| Third Class . . . . . | 81 |
| Second Class . . . . . | 156 |
| First Class . . . . . | 176 |
| Total . . . . . | 531 |

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|---|---|
| In Courses for Graduates 1894–95 after publication of Catalogue for 1894–95 . . . . . | 38 |
| In Summer Courses, 1895 . . . . . | 89 |

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# THE MEDICAL SCHOOL.

## REQUIREMENTS FOR ADMISSION.

All candidates for admission must (with the exceptions hereinafter stated) pass examinations in the following subjects: —

1. English.
2. Latin.
3. Physics.
4. Chemistry.
5. Either French or German.
6. Either Algebra, Plane Geometry, or Botany.

ENGLISH. The candidate will be required to write a short composition on one of several subjects announced at the time of the examination. In 1896 the subjects will be drawn from one or more of the following works:

Shakspere's Merchant of Venice, Milton's Comus and Lycidas, Longfellow's Evangeline, Webster's First Bunker Hill Oration.

Every candidate is expected to have read intelligently all the books prescribed. The English written by a candidate in any of his examination books will be regarded as part of his examination in English in case the evidence afforded by the examination book in English is insufficient. The candidate will also be required to correct specimens of bad English.

LATIN. The translation at sight of simple Latin prose.

PHYSICS. Either (1) Gage's Elements of Physics, or (2) a course of experiments, not less than forty in number, performed at school by the student. These must be selected from a list issued by the University under the title, "A Descriptive List of Elementary Physical Experiments," or must be approved by the department of Physics as the equivalent of those contained in this list. In (2) the written examination will test the candidate's knowledge of experiments and experimenting as well as his knowledge of principles and results. The candidate will be required to hand in the original note-book in which he recorded the steps and results of the experiments which he performed at school, and this note-book must bear the endorsement of his teacher, certifying that the notes are a true record of the pupil's work. The note-book in Physics should contain an index of the exercises which it describes.

CHEMISTRY. Theoretical and descriptive (inorganic) Chemistry and qualitative analysis.

Each candidate will be required to hand in, at the hour of the written examination in Chemistry, the original note-book in which he recorded the work performed by him at school in qualitative analysis. This note-book must bear the endorsement of his teacher, certifying that the notes are a true record of the pupil's laboratory work.

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When a candidate shall give evidence of having passed a satisfactory examination in any of the above requirements either at Harvard College or at the Lawrence Scientific School, a subsequent examination in such subject or subjects will not be demanded for his admission to the Medical School.

Candidates who present a degree in Letters, Science, or Medicine, from a recognized college or scientific school are exempt from all the above examinations, with the exception of Chemistry.*

Candidates, may be admitted conditionally in spite of deficiencies in some of these studies; but, until these conditions are made up, no student will be permitted to take part in any exercises of the third class, or to present himself for examination in the subjects of that class.

Students conditioned in Chemistry at the examination for admission will be furnished in the School, during the first year, with opportunities for making up this condition, but after the year 1895 a special fee of $20 will be charged for this course.

The examinations will be held at the Medical School (688 Boylston St., Boston), and will be conducted in writing; specimens of the papers used will be found in the Catalogue to be obtained of the Dean. In judging the work of the candidate, the spelling, grammar, and construction will be considered.

*The examinations for admission* are held on the Thursday following the last Wednesday in June, and on the Monday preceding the last Wednesday in September, beginning at 10 A.M.

In 1896 the *examinations for admission* will ALSO be held at the following places, beginning at 8 A.M. on Thursday, June 25:—

In *Quincy*, in the rooms of the Adams Academy; in *Andover*, in the rooms of the Phillips Academy; in *Groton*, in the rooms of the Groton School; in *Southborough*, in the rooms of St. Mark's School; in *Worcester*, in Curtis Hall, the Young Men's Christian Association building, Elm Street; in *Exeter, N. H.*, in the rooms of Phillips Exeter Academy; in *Concord, N. H.*, in the rooms of St. Paul's School; in *Portland, Me.*, in the rooms of the Portland High School; in *Lakeville, Conn.*, in the rooms of the Hotchkiss School; in *New York, N. Y.*, in the lecture-room of the Young Men's Christian Association, 23d Street, corner of Fourth Avenue; in *Garden City, N. Y.*, in the rooms of St. Paul's Cathedral School; in *Albany, N. Y.*, in the rooms of the Young Men's Christian Association; in *Buffalo, N. Y.*, in the High School building, corner of Court and Franklin Streets; in *Lawrenceville, N. J.*, in the rooms of the Lawrenceville

* The Summer Courses of Instruction in the fundamental principles of Chemistry and in Qualitative Analysis given at Harvard College, and the Summer Course in General Chemistry and Qualitative Analysis given at the Medical School, are adapted to students about to enter the Medical School.

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School; in *Philadelphia, Pa.*, in the rooms of the Young Men's Christian Association building, corner of 15th and Chestnut Streets; in *Washington, D. C.*, in the rooms of the Young Men's Christian Association; in *Cleveland, O.*, in the Central High School building; in *Cincinnati, O.*, in the rooms of the Law School, College Building, Walnut Street; in *Chicago, Ill.*, in the rooms of the Chicago Athenaeum, VanBuren Street; in *Minneapolis, Minn.*, in the lecture-room of the Public Library building; in *St. Louis, Mo.*, in the Board of Education building, corner of Ninth and Locust Streets; in *Omaha, Neb.*, in the rooms of the Young Men's Christian Association; in *Denver, Col.*, in the rooms of the Denver High School (District No. 1), corner of Nineteenth and Stout Streets; in *San Francisco, Cal.*, in the rooms of the Mechanics' Institute, 31 Post Street; in *Belmont, Cal.*, in the rooms of the Belmont School; in *Portland, Oregon;* in *Bonn, Germany*, at the Hotel Kley; in *Tokyo, Japan.*

## METHODS OF INSTRUCTION.

The following methods of instruction are adopted in the several departments: —

*Anatomy.* — Lectures; various practical exercises, including abundant dissection, under the direction of the Demonstrator; recitations and demonstrations. In the first year there is a recitation at the beginning of the week on the subject-matter of the lectures of the preceding week. The means and methods of illustrating the anatomical lectures are probably unrivalled in this country. In the second year much use is made of frozen sections and of the living model.

*Histology and Embryology.* — Lectures and laboratory work. Every student is recommended to purchase a microscope, but microscopes are provided for those whose means do not enable them to buy one, for the sum of $3 for each term. Accommodations are furnished for those students who wish to pursue special or advanced courses. Special facilities are offered for original investigators. A special course in vertebrate embryology is given. This course has been accepted by the Faculty of Arts and Sciences, and is open to students of the academic departments.

*Physiology.* — Lectures, recitations, conferences, and demonstrations and practical work in the laboratory. To properly qualified students opportunities are given for original investigations in the laboratory.

*Chemistry* is taught mainly by practical work in the laboratory, each student having his own desk and apparatus. The first year, Medical Chemistry is taught by lectures, recitations, and exercises in the Laboratory, where each student will be taught Physiological Chemistry, the chemistry and microscopy of the urine and the tests for the important poisons. During the second year the instruction will be chiefly clinical in

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## DIVISION OF STUDIES.

| For the First Year. | For the Second Year. | For the Third Year. | For the Fourth Year. | Electives. |
|---|---|---|---|---|
| *Anatomy.* 2 | *Anatomy.* 2 | *Theory & Practice.* 3 | *Clinical Medicine.* 3 | Ophthalmology. 2 |
| *Physiology.* 3 | *Pathology* and *Path. Anatomy.* 3 | *Surgery.* 2 | *Clinical Surgery.* 2 | Otology. 2 |
| *Histol. & Embryol.* 1 | *Clinical Chemistry.* 2 | *Obstetrics.* 3 | *Ophthalmology.* 1 | Orthopaedics. 2 |
| *Medical Chemistry.* 1½ | *Materia Medica* and *Therapeutics.* 2 | *Pediatrics.* 2 | *Otology.* 1 | Gynaecology. 2 |
| *Bacteriology.* 1 | Theory and Practice. | *Dermatology.* 1 | *Laryngology.* 1 | Dermatology. 2 |
| Hygiene. | Clinical Medicine. | *Neurology.* 1 | *Orthopedics.* 1 | Neurology. 2 |
| | Surg. & Clin. Surg. | *Gynaecology.* 1 | *Legal Medicine.* 1 | Bacteriology. 1 |
| | | *Mental Diseases.* 1 | *Syphilis.* 1 | Physiology. 1 |
| | | Clinical Medicine. | Clinical Microscopy. | Chemistry. 1 |
| | | Clinical Surgery. | Genito-urinary Surg. | Hygiene. 1 |
| | | | Ovarian Tumors. | Oper. Surgery. 1 |
| | | | Mental Diseases. | Oper. Obstetrics. 1 |
| | | | Municipal Sanitation. | |
| | | | Cookery. | |

Note: — Subjects in which an examination is required are in italics. The number following name of examination indicates the length in hours of the examination. In the Fourth year, electives must be chosen whose examinations shall aggregate three hours.

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character, the student being taught the diagnosis of kidney and other diseases by examination of the urine, and clinical toxicology. Instruction will also be given in the examination of blood and other stains, and of pathological concretions and fluids.

*Pathology and Pathological Anatomy* are taught by lectures, recitations, and practical instruction in pathological histology. Recently a considerable addition to the School building has been made for the use of this department. The basement is fitted up for the care of animals and for the storage of material. The first story contains the bacteriological laboratories. On the second floor are the rooms for the officers of instruction and for special students in pathological anatomy and histology. In the third story is the class-room for recitations and demonstrations, and for instruction in pathological histology. The collection of the Warren Anatomical Museum is used to illustrate the lectures, and morbid specimens in a fresh state are shown at the demonstrations. The lectures on pathology are mainly given on general pathology including the various processes of disease, the condition and laws under which they are produced, and the effects which they exert on the functions of the body. In the demonstrations the appearances of diseased organs are studied, and the various changes which have taken place in them are described. The instruction in pathological histology is continued throughout the year. In this course the finer changes in the tissues are studied and the manner in which they are produced is explained. Both in this course and in the demonstrations particular attention is paid to the diagnosis of tumors. Each student, provided with a microscope, the necessary instruments and reagents, prepares the various objects and submits them for examination and criticism. The students are invited to be present at post mortem examinations, the method of conducting them is explained, and the students themselves are allowed to perform them. Every encouragement is given to the students to carry on individual work in the pathological laboratory. All the facilities for work are provided and subjects for original investigation will be assigned to those who have shown themselves capable. Only those students will be allowed to work individually in the laboratory who have shown by their work in the first two years of their study, that they are both diligent and capable. Microscopes will be provided those students whose means will not permit the purchase of an instrument.

*Therapeutics and Materia Medica.*—Therapeutics and Materia Medica are taught by lectures and recitations with exhibition of medicines and pharmaceutical processes and demonstrations of the physiological action of drugs. Besides the large and complete cabinet of materia medica in the Museum, a collection of officinal drugs and chemicals, and of all the important preparations is placed where it can be seen by the students at any time.

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The course of lectures in this subject is supplemented by a course in practical pharmacy in which the compounding of prescriptions is illustrated.

In addition to the course of lectures on Therapeutics, the practical relation of remedies to diseased conditions is also particularly dwelt upon in the lectures and other exercises in the department of Clinical Medicine.

*Experimental Pharmacology and Therapeutics.* — A special laboratory has been equipped for original research in these subjects. Here an opportunity is offered for practical training and instruction in the methods and use of the special apparatus employed in determining the toxic and physiological action of drugs and their practical value as remedies. This is open to a limited number of duly qualified undergraduates.

*The Theory and Practice of Medicine.* — At the Medical School lectures on selected subjects are given to the third class, and systematic recitations on the general subject are held for the second class. Clinical lectures on the practice of medicine are given to the third class, and demonstration exercises to the second class at the Massachusetts General Hospital.

*Clinical Medicine.* — Daily instruction is given in this department by clinical lectures, hospital visits, and other exercises. The teaching for the second, third and fourth years is graded and separate for each year, except that students of the fourth class are allowed to attend the clinical lectures given for the third class if they wish.

In the first half of the *second* year Auscultation and Percussion is taught in small divisions, each student having two exercises a week for four months. In the second half-year ward visits, also in small divisions, take the place of Auscultation and Percussion.

Throughout the year twice a week the class as a whole has clinical instruction in case-taking, diagnostic methods and diagnosis.

In the *third* year the teaching is more advanced, includes therapeutics, and comprises four clinical exercises a week in the amphitheatre and hospital wards. During the year, so large is the amount of material at disposal, a wide range of diseases is practically illustrated, and many even of the rarer affections are shown by several examples.

In the *fourth* year two clinics a week are held for the whole class, and special attention is given to Clinical Therapeutics.

The Clinical Conference comes in this year. A case is assigned each student, who is required to work it up thoroughly and write out in full the history, physical examination, differential diagnosis and treatment. From these cases selections are made, and one is read weekly before the class and the teachers in the department. A full discussion is encouraged. It is also required that dispensary cases be taken by each student, who shall watch the cases, guide their treatment, and write brief reports upon

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them. This work is under the supervision of one of the assistants in the department.

*Surgery.* — Instruction is given by systematic lectures, recitations, demonstrations at clinics, and laboratory exercises. There are two recitations a week throughout the year for the second class. These exercises are given partly at the Medical School and partly at the Hospital.

In the second year exercises are given also in the laboratory on the application of surgical apparatus and bandaging. The mechanical treatment of each variety of fracture is illustrated and the student himself applies the apparatus. The different forms of bandages, including all fixed protective dressings, in which silicate of potash, dextrine and plaster of Paris are employed, are applied by each student under critical supervision. The apparatus used in the preparation of surgical dressings is explained in detail.

A laboratory course is also given on the use of all kinds of surgical instruments, and their application is demonstrated upon the living subject and upon anesthetized animals.

Two systematic lectures a week are given throughout the year, at the Medical School, to the third class, and one lecture a week, with clinical demonstrations, at the Hospital.

Instruction is given to the Fourth Class in Orthopedic Surgery by lectures at the School and at the Children's Hospital with Clinical quizzes to small sections.

An Elective Course of clinical exercises is also given in this subject at the Children's Hospital.

Ample opportunity is given for the study of Surgical Anatomy and Minor Surgery, and to see all kinds of surgical operations.

*Clinical Surgery.* — Instruction in Clinical Surgery is given at the Massachusetts General Hospital and City Hospital, to the Third Class, as follows: —

One clinical conference, two visits in the hospital wards, and two public operating days.

The surgical clinical conference is an exercise at which a student of the third class presents an elaborate and carefully prepared paper on a surgical case in the hospital wards, which has been assigned him. This paper he is obliged to read in the amphitheatre of the Hospital before the whole class, and defend it from their criticism. At the close of the exercise the Professor of Clinical Surgery gives a résumé of the case and his opinions upon it. The students of the second class attend these exercises preparatory to their active participation in them in their third year.

The third class is divided into small sections, and daily clinics are given to them in the out-patient department of the Massachusetts

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General Hospital and the City Hospital, in which the students are brought into personal contact with the patients, have practical exercises in the application of bandages and apparatus, and see a large number of cases of minor surgery, and fractures and dislocations above the waist.

*Operative Surgery.* — A course illustrating all the classic and many of the modern operations in surgery is given by the Professor of Clinical Surgery to the third and fourth classes. These operations are repeated on the cadaver by the students under the direct supervision of the Professor and a corps of assistants.

*Obstetrics.* — Instruction in this department is given by lectures, recitations, conferences, and clinical teaching. Students are required to take charge of at least six cases of labor, to receive clinical instruction on at least one of them, to care for their patients during the convalescence, and to make full written reports of the cases; many of these reports are read at the conferences and discussed by the class and the instructors. A course on operative obstetrics, with practical illustrations on the cadaver and manikin, is given during the second half-year.

*Gynaecology.* — Instruction in this department extends throughout the third and fourth years. During the third year there are lectures and recitations, and opportunities for clinical instruction at the City Hospital and Boston Dispensary. The large out-patient clinics of these institutions are utilized to accustom the student to the methods of examination, the perfection of diagnosis, and the simpler forms of treatment.

The instruction in the fourth year is more advanced. Clinical and operative instruction is given in the wards of the City Hospital. Cases are assigned to the students for personal examination, which are reported in full at the Clinical Conference, and are made the subject of discussion by members of the class and the instructors. An operative course on the cadaver or manikin gives the students an opportunity to perform minor operations, and to become familiar with the use of instruments.

*Diseases of Children.* — The instruction in this department consists of a systematic course of didactic and clinical lectures, recitations and conferences. Opportunities are also given for seeing cases in their homes in the Dispensary districts.

*Ophthalmology.* — Lectures and clinical instruction at the Massachusetts Charitable Eye and Ear Infirmary, Boston City Hospital, and Massachusetts General Hospital.

*Dermatology.* — A sytematic and clinical course is given. The special out-patient department at the Massachusetts General Hospital furnishes ample means for illustration.

*Syphilis.* — Lectures and clinical instruction.

*Otology.* — Lectures and clinical instruction at the Massachusetts Charitable Eye and Ear Infirmary, and at the Boston City Hospital.

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*Diseases of the Throat and Nose.* — Instruction in this department consists of lectures, demonstrations, and practical training in the use of instruments. The class is divided into small sections, and the practical work is conducted in the clinics at the Massachusetts General Hospital, the Boston City Hospital, and the Boston Dispensary.

*Diseases of the Nervous System.* — Instruction in this branch is under the charge of a special department, fully organized and equipped for dealing adequately with the subject. During the third year a weekly lecture will be given at the Massachusetts General Hospital, illustrated by cases from the large and excellent out-patient service, and from the medical and surgical wards of the hospital. In addition to this the students will be given opportunity of studying cases outside the lecture hours, and reporting upon them. In the fourth year each student may have three hours of instruction a week, directed by the head of the department, and by three special clinical instructors, and during this course they will have access to the material furnished by the City Hospital as well as that afforded by the Massachusetts General Hospital.

It is the intention of the School to bring each student into as close contact as possible with the patients on the one hand and the instructors on the other.

Attention is also called to the fact that special instruction in the pathological anatomy of the nervous system is given during the second year.

*Legal Medicine.* — Lectures and practice in medico-legal autopsies.

*Hygiene.* — Lectures and demonstrations.

*Bacteriology.* — The instruction in Bacteriology during the first year consists of lectures and practical laboratory work. The lectures treat of the general subject and of methods of practical work.

In the laboratory, each student becomes familiar with the simple methods of manipulation and staining which are of special clinical use. The elective course in the fourth year is mainly practical and opportunities for special investigation will be offered such students as can spend the necessary time in the laboratory.

## TEXT-BOOKS.

The following works are recommended as text-books, and for collateral reading and consultation: —

### Anatomy.

*Text-Books.* — Gray (11th edition). Morris. Quain (10th edition). Wilson. Holden's Landmarks. Dwight's Frozen sections of a Child. Treves' Applied Anatomy. Dexter's Anatomy of the Peritoneum.

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*Collateral Reading.* — Harrison Allen's Anatomy. Tillaux, Anatomie topographique. Holden's Osteology. Humphry's Human Skeleton. Morris, on the Joints. Weisse's Practical Human Anatomy. McClellan's Regional Anatomy.

### Histology and Embryology.

*Text-Books.* — Stöhr's Lehrbuch der Histologie, Piersol's Histology, or Schaefer's Essentials of Histology.

*Collateral Reading.* — Quain's Anatomy (10th edition). Lee's microscopist's Vade-mecum, Schiefferdecker and Kossel's Gewebelehre. Minot's Human Embryology. Marshall's Vertebrate Embryology.

### Physiology.

*Text-Books.* — Foster's Text-book of Physiology. Kirke's Handbook of Physiology. Waller, Human Physiology.

*Collateral Reading.* — Hermann's Lehrbuch der Physiologie. Fick, Compendium der Physiologie. Halliburton's Text-book of Chemical Physiology and Pathology. McGregor-Robertson's Elements of Physiological Physics. Landois' Manual of Human Physiology. Stirling's Practical Physiology. Gamgee, Physiological Chemistry of the Animal Body.

### Medical Chemistry.

*Text-Books.* — Tyson, Practical Examination of Urine. Wharton and Stillé's Medical Jurisprudence, Vol. II., on Poisons, (4th edition).

*Collateral Reading.* — Ultzmann and Hoffmann's Atlas der Harnsedimente. Roberts' Urinary and Renal Diseases. Purdy's Practical Uranalysis and Urinary Diagnosis. Neubauer and Vogel, Analysis of the Urine. Hoppe-Seyler, Physiologische Chemie. Taylor on Poisons. Wormley's Micro-Chemistry of Poisons. Halliburton's Essentials of Chemical Physiology. Lea's Chemical Basis of the Animal Body (appendix to Foster's Text-book of Physiology). Hammarsten's Physiological Chemistry.

### Therapeutics and Materia Medica.

*Text-Books.* — Hare's Practical Therapeutics. White's Materia Medica and Therapeutics. National Dispensatory.

*Collateral Reading.* — H. C. Wood's Therapeutics. Brunton's Pharmacology, Therapeutics, and Materia Medica.

### Pathology and Pathological Anatomy.

*Text-Books.* — Ziegler's Pathological Anatomy and Pathogenesis, (translation of latest edition). Woodhead's Practical Pathology. Orth's Compend of Diagnosis in Pathological Anatomy.

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*Collateral Reading.* — Friedlaender's Use of the Microscope in Clinical and Pathological Examinations. Cohnheim's Lectures on General Pathology.

### Obstetrics.

*Text-Books.* — Lusk's Manual of Midwifery.

*Collateral Reading.* — Reynold's Practical Midwifery. Schroeder's Manual of Midwifery. Winckel's Diseases of Childbed. Schauta's Grundriss der operativen Geburtshilfe. Kucher's Puerperal Convalescence.

### Theory and Practice.

*Text-Books.* — Osler's Practice of Medicine. Strümpell's Text-Book of Medicine. Pepper's Text-Book of the Theory and Practice of Medicine by American Teachers.

*Collateral Reading.* — Pepper's System of Practical Medicine by American authors. Eulenburg's Real-Encyclopädie der gesammten Heilkunde, 2^te^ aufl.

### Clinical Medicine.

*Text Books.* — Strümpell's Text-Book of Medicine. Osler's Practice of Medicine. Flint's Practice of Medicine. DaCosta's Medical Diagnosis. Musser's Medical Diagnosis. Flint's Manual of Percussion and Auscultation. Tyson's Physical Diagnosis.

*Collateral Reading.* — Pepper's System of Practical Medicine by American Authors. Pepper's American Text-books of the Theory and Practice of Medicine. Fagge's Practice of Medicine. Gowers' Diseases of the Nervous System. Cutler and Garland's Percussion Outlines.

### Surgery.

*Text-Books.* — An American Text-Book of Surgery. Warren's Surgical Pathology.

*Collateral Reading.* — Dennis' System of Surgery. Greig Smith's Abdominal Surgery. Stephen Smith's Operative Surgery. Morrow's System of Genito-Urinary Diseases. Treve's Manual of Surgery. DaCosta's Manual of Modern Surgery.

### Gynaecology.

*Text-Books.* — Garrigue's Diseases of Women.

*Collateral Reading.* — Keating and Coe's Clinical Gynaecology. Thomas and Mundé's Diseases of Women. Skene's Diseases of Women. Davenport on Diseases of Women. Pozzi's Treatise on Gynaecology (American edition). Winckel's Diseases of Women. Emmet's Principles and Practice.

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PEDIATRICS.

*Text-Book.* — Rotch's Pediatrics.

*Collateral Reading.* — Keating's Cyclopaedia of the Diseases of Children.

OPHTHALMOLOGY.

*Text-Books.* — Nettleship, Fuchs, Swanzy, Williams.

*Collateral reading.* — Loring, on the Ophthalmoscope. Landolt, on Refraction and Accommodation. Noyes. Norris and Oliver.

OTOLOGY.

*Text-Books.* — Politzer, Dalton's edition. Hovell. Roosa. Burnett.

*Collateral Reading.* — Politzer, Diseases of the Ear. Schwartze, Handbuch der Ohrenheilkunde. Buck's Manual of Diseases of the Ear.

DERMATOLOGY.

*Collateral Reading.* — Duhring, Hyde, Robinson, Crocker, Kaposi, Behrend, v. Ziemssen, Besnier, Brocq.

NEUROLOGY.

*Text-Books.* — Gowers' Diseases of the Nervous System. Dana's Text-Book of Nervous Diseases. Hirt's Diseases of the Nervous System. Gray's Mental and Nervous Diseases. Herter's Manual of Diagnosis of Nervous Diseases.

LEGAL MEDICINE.

*Text-Books.* — Taylor's Manual of Medical Jurisprudence.

*Collateral Reading.* — Ogston, Mann, Hofmann, Witthaus and Becker.

## INSTRUCTION FOR 1895-96.

### Anatomy.

Descriptive Anatomy. *Four times a week till Christmas.* Professor DWIGHT. *Twice a week till April.* Assistant Professor DEXTER. Recitations. *Once a week.* Dr. CONANT.

Practical Anatomy, with exercises in Dissection. *Eight hours daily from October 15th till May.* Demonstrations. Drs. BROOKS, C. A. PORTER, TENNEY, LUND, and J. B. BLAKE.

Topographical and Advanced Anatomy. *Three times a week.* Professor DWIGHT and Assistant Professor DEXTER.

### Histology and Embryology.

Histology. — Lectures. *Twice a week during the first half-year.* Professor Minot. Laboratory exercises. *Twice a week during the first half-year.* Professor MINOT, Drs. QUINCY, SCHAPER, AMES, and DELUE.

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Embryology. — Lectures. *Once a week during the second half-year.* Professor MINOT. Laboratory exercises. *Twice a week during the second half-year.* Professor MINOT, Drs. QUINCY, SCHAPER, AMES, and DELUE.

### Bacteriology.

*Eighteen lectures in second half-year.* Asst. Professor ERNST.

Practical laboratory work. *Eighteen hours for each student in the second half-year.* Professor ERNST.

Advanced Bacteriology. Fourth year elective. Lectures and laboratory work. *Six times a week during first term.*

### Physiology.

Systematic and Experimental Physiology. *Four times a week during first half-year. Six times a week during second half-year.* Professors BOWDITCH and W. T. PORTER.

Laboratory exercises in Experimental Physiology. *Four times a week in sections.* Assistant Professor PORTER.

Advanced Physiology. Fourth year elective. *Twice a week.* Professors BOWDITCH and PORTER.

### Chemistry.

Medical Chemistry. *Once a week during the first half-year. Twice a week during second half-year.* Professor HILLS.

Clinical Chemistry. *Twice a week.* Professor WOOD

Advanced Chemistry. Fourth year elective. *Twice a week.* Professor WOOD.

Practical exercises in the laboratory. *Daily.* Professors WOOD and HILLS, and Drs. OGDEN and HEWES.

### Hygiene.

First Year. Lectures and Demonstrations. *Once a week during the second half-year.* Dr. HARRINGTON.

Fourth Year Elective. *Once a week during first half-year.* Dr. HARRINGTON.

### Therapeutics and Materia Medica.

Lectures and recitations. *Twice a week.* Dr. HARRINGTON.

Demonstrations. *Once a week during half the year.* Dr. PFAFF.

Voluntary laboratory work. Dr. HARRINGTON and Mr. JORDAN.

### Pathology and Pathological Anatomy.

General Pathology and Pathological Anatomy. *Twice a week.* Professor COUNCILMAN.

Special Pathological Anatomy, with demonstrations. *Twice a week.* Professor COUNCILMAN.

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Pathological Anatomy. Exercises in Pathological Histology. *Twice a week.* Dr. Mallory.

Microscopy. Microscopes and Wrights.

Practical Work. Instruction in performing Autopsies. *Throughout the year.*

Professor Cunningham and Drs. Warren and Mallory.

Surgery.

[redacted] Surgical Pathology. *Three times a week at the Scho*

[redacted] throughout the year. Professor Warren.

[redacted] *Twice a week.* Asst. Professor Bowers and Dr.

[redacted] and Ligatures. Laboratory exercis

[redacted] following courses in the Medical Sch

[redacted] Drs. Warren and C. A. Porter.

[redacted] Orthopædic Surgery.

[redacted] *Once a week for four months*

[redacted]

[redacted]

[redacted]

FOURTH CLASS.

Lectures. *Twice a week.* Visits. *Twice a week.* Operations. *Twice a week.* Surgical Diagnosis. *Once a week.* Surgical Emergencies. *Every evening in small sections.*

OPERATIVE SURGERY.

Operations are performed before the students one day each week throughout the year in the Amphitheatres at the Massachusetts General Hospital and Boston City Hospital.

Operative Surgery and Surgical Anatomy. *Exercises illustrated upon the cadaver twice a week in November and December.* Professor PORTER.

Operative Surgery. *Fifteen practical exercises by the students of the Fourth Class*, under the direction of Professors PORTER and BURRELL, assisted by Drs. MIXTER, MONKS, SCUDDER, BROOKS, and C. A. PORTER.

The surgical cases at the Eye and Ear Infirmary and at the Boston Dispensary are shown by the surgeons in charge.

## Dermatology.

THIRD CLASS.

Diseases of the Skin. *Once a week.* Professor WHITE.

Clinical Dermatology. *Once a week.* Professor WHITE.

FOURTH CLASS.

Clinical Dermatology. *Twice a week.* Professor WHITE.

## Theory and Practice of Physic.

Lectures. *Twice a week.* Professor FITZ. Clinical lectures. *Twice a week.* Professor FITZ. Recitations or demonstrations. *Twice a week.* Dr. CUTLER.

## Clinical Medicine.

SECOND CLASS.

Clinic. *Once a week.* Dr. VICKERY. *Once a week.* Dr. WITHINGTON.

Practical Instruction in Auscultation and Percussion. *Six times a week during the first half-year.* Drs. GANNETT, V. Y. BOWDITCH, H. JACKSON, and SEARS. *During the second half-year.* Professor MASON, and Drs. GANNETT, VICKERY, and WITHINGTON.

THIRD CLASS.

*Twice a week.* Professor SHATTUCK. *Twice a week.* Professor MASON.

Medical visits are made at the Massachusetts General Hospital by Professors FITZ and SHATTUCK, and Drs. CUTLER and GANNETT. — At the City Hospital, by Professors ROTCH and MASON, and Drs. J. G. BLAKE,

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G. B. Shattuck, Forster, and Folsom. — At the Danvers, South Boston, and Somerville Hospitals for the Insane. — The medical cases at the Boston Dispensary are shown by the physicians in charge.

Fourth Class.

*Once a week.* Professor Shattuck. *Once a week.* Professor Mason.

Clinical Conference. *Once a week.* Dispensary cases.

### Neurology.

Clinical Instruction. Third Class. *Once a week.* Professor Putnam. Fourth Class. *Three times a week.* Professor Putnam, and Drs. Walton, Knapp, and Prince.

### Psychiatry.

Clinical Instruction. *Once a week during second half-year.* Dr. Fisher.

### Pediatrics.

Lectures. *Once a week.* Professor Rotch.

Clinical exercises. *Twice a week.* Professor Rotch and Drs. Buckingham, Wentworth and Craigin.

Clinical Conference. *Once a week during second half-year.* Professor Rotch and Drs. Buckingham, Wentworth and Craigin.

### Obstetrics.

Theory and Practice of Obstetrics. *Twice a week.* Professor Wm. L. Richardson. Recitations. *Once a week.* Asst. Professor C. M. Green.

Operative Obstetrics. *Twelve practical exercises.* Asst. Professor C. M. Green.

Practical Instruction in Clinical Obstetrics. *Throughout the year.* Asst. Professor C. M. Green and Drs. Reynolds, Townsend and Haven.

Obstetrical Conference. *Once a week after January 1st.* Professor Wm. L. Richardson and Asst. Professor C. M. Green, and Drs. Reynolds, Townsend, and Haven.

Clinical Obstetrics. *Twice a week for four months.* Professor Wm. L. Richardson.

Operative Obstetrics. *Practical exercises.* Asst. Professor C. M. Green.

### Gynaecology.

Third Class.

Lecture or recitation. *Once a week.* Dr. Davenport.

Clinical exercises. *Three times a week.* Drs. Swift, Haven, and Reynolds.

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FOURTH CLASS.

Clinical and Operative exercises. *Twice a week.* Asst. Professor C. M. GREEN. Operative exercises. *Twice a week for four weeks.* Asst. Professor DAVENPORT. Clinical Conference. *Once a week.* December to May. Asst. Professor C. M. GREEN.

### Ovarian Tumors.

*Once a week for two months.* Dr. HOMANS.

### Syphilis.

*Twice a week.* Dr. POST.

### Ophthalmology.

*Three times a week for eight months.* Professor WADSWORTH. *Four times a week for three months.* Drs. CHENEY and STANDISH.

### Otology.

*Three times a week during first half-year.* Professors C. J. BLAKE and J. O. GREEN.

*Six Clinical exercises a week during second half-year.* Professors C. J. BLAKE, J. O. GREEN, and Drs. BRYANT and CROCKETT.

### Diseases of the Throat and Nose.

*Twice a week during first half-year.* Drs. DEBLOIS, FARLOW, and COOLIDGE.

### Diseases of the Genito-Urinary Apparatus.

*Once a week.* Drs. CABOT and WATSON.

### Legal Medicine.

*Three times a week during the first half-year.* Professor DRAPER.

### Municipal Sanitation.

*Once a week during second half-year.* Dr. DURGIN.

### Clinical Microscopy.

*Once a week.* Dr. WHITNEY.

### Cookery.

*Twice a week (two hours) for one month.* Boston Cooking School.

### Orthopedics.

Lectures *during first half-year.* Clinical exercises. *Twice a week during second half-year.* Asst. Professor BRADFORD.

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## CLINICAL ADVANTAGES.

The Medical Department of the University is established in Boston, in order to secure those advantages for Clinical Instruction and for the study of Practical Anatomy which are found only in large cities.

There are Hospital visits or operations daily.

*The Massachusetts General Hospital.* — During the past year, 3406 patients were treated in the wards, and 27,989 in the out-patient departments. Patients are received from all parts of the United States and the Provinces, and are visited by the students, with the attending physicians and surgeons, on four days in the week. Operations are numerous, and are performed in the amphitheatre, which is provided with seats for 400 persons. Clinics in the following special branches have been established in connection with the out-patient department: Dermatology, Laryngology, Diseases of the Nervous System, and Ophthalmology.

*The City Hospital.* — During the past year, 8599 cases were treated in its wards, and 16,597 in its various out-patient departments. The medical wards always contain many cases of acute diseases, and changes are taking place constantly. The opportunities for seeing fractures, injuries, and traumatic cases of all kinds are excellent, since, on an average, 800 street accidents are yearly treated. Surgical operations are performed in the amphitheatre. There is a special service for diseases of women. Diseases of the eye, the ear, and the skin, and also diseases of women and of the nervous system are largely treated in the out-patient department. Clinical instruction is given by the physicians and surgeons two or more times a week.

In these two hospitals, the facilities for witnessing Operative Surgery are unsurpassed. Twice a week operations are performed in the presence of the class. The number of these operations is large, reaching nearly two thousand a year. The variety is great, embracing every surgical disease and injury, including the surgical operations on the eye and ear.

*The Boston Lying-in Hospital.* — More than five hundred patients are annually confined in the Hospital. In the out-patient department, over a thousand cases are annually attended by the hospital externes who are appointed from the third and fourth year students. Clinical instruction is given in these cases by the physicians to out-patients and the House Physicians.

*The Boston Dispensary.* — 44,752 patients were treated at this Public Charity during the past year. A new building has lately been erected at a

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cost of $50,000, where students have ample and excellent opportunity for seeing practical work in the diagnosis and treatment of cases illustrating the various branches of medicine and surgery.

*The Massachusetts Charitable Eye and Ear Infirmary.* — 19,365 patients were treated at this institution during the last year. These cases present every variety of disease of the ear and eye, and supply a large number of operations.

*The Marine Hospital at Chelsea* receives from the shipping of the port a large number of patients, who furnish examples of the diseases of foreign countries and of distant parts of the United States. Many cases of venereal disease, in its various forms, are treated annually.

Students are also permitted to visit the Children's Hospital, Free Hospital for Women, and the Carney Hospital on application to the physicians on duty.

There are more than sixty appointments annually for Internes in the various hospitals, and nearly as many more for Assistants in the out-patient departments. Appointments for the Massachusetts General and City Hospitals are for the term of eighteen months, for the Boston Lying-in Hospital for six months, and for the Free Hospital for Women for nine months.

## EXAMINATIONS.

The regular examinations are conducted in writing and orally, and are (with a few exceptions) held at the end of each year, beginning on the first Wednesday in June, and during the opening week, beginning on the Monday before the last Wednesday in September, on the studies of the preceding year. The *June examination* is for those only who are members of theSchool at thetime and for those entitled to apply for the degree. The *September examination* is for those only who have previously failed in the subject of the examination or who are applicants for advanced standing. In some branches a portion of the examination consists of practical work in the laboratory. Examinations are held in the following order: —

*First Year.* — Anatomy (2 hrs.), Physiology (3 hrs.), Histology * (1 hr.), Medical Chemistry (1½ hr.), Bacteriology (1 hr.).

*Second Year.* — Advanced Anatomy (2 hrs.), Pathological Anatomy (3 hrs.), Clinical Chemistry (2 hrs.), Materia Medica and Therapeutics (2 hrs.).

*Third Year.* — Theory and Practice (3 hrs.), Surgery (3 hrs), Obstetrics (3 hrs.), Pediatrics (2 hrs.), Dermatology (1 hr.), Neurology (1 hr.), Gynaecology (1 hr.), Mental Diseases (1 hr.).

* The examination in this subject will be held at the end of the first half-year.

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*Fourth Year.* — Clinical Medicine (3 hrs.), Clinical Surgery (2 hrs.), Orthopedics (1 hr.), Ophthalmology* (1 hr.), Otology* (1 hr.), Laryngology* (1 hr.), Legal Medicine* (1 hr.), Syphilis* (1 hr.).

*Electives.* — Gynaecology (2 hrs.), Dermatology (2 hrs.), Neurology (2 hrs.), Ophthalmology (2 hrs.), Otology (2 hrs.), Orthopedic Surgery (2 hrs.), Physiology (1 hr.), Chemistry (1 hr.), Operative Surgery (1 hr.), Operative Obstetrics* (1 hr.), Bacteriology* (1 hr.), Hygiene* (1 hr.).

In addition to the above examinations each student is required to present a satisfactory report of the analysis of a specimen of urine, to examine and report upon a clinical case in Surgery and four cases in Medicine, and to take charge of and report upon six cases in Obstetrics; each student must also have dissected the three parts of the body to the satisfaction of the Demonstrator, and no student shall be admitted to the examination on Anatomy at the end of the first year who has not so dissected two parts, nor to that at the end of the second year who has not so dissected three parts, unless excused by the Professor of Anatomy.

In the fourth year, three hours of examination in electives are obligatory. *The choice of electives must be made within two weeks of registration at the beginning of the year, and must be given to the Secretary in writing.*

Students electing Ophthalmology, Otology, or Orthopaedics in the fourth year are obliged to pass only the two-hours examination in these subjects at the end of the year. Only one hour of these two can count as an elective.

Candidates for the degree who shall have served satisfactorily as internes in the Massachusetts General Hospital, Boston City Hospital, Carney Hospital, Children's Hospital, and State Almshouse Hospital, for a period of not less than one year, may be exempt from examination in the electives of the fourth year.

No student is allowed to anticipate the examinations in the regular course of studies of his year, except by special permission of the Faculty.

After two failures to pass in any subject a charge of $3 will be made for each subsequent examination in that subject.

## DIVISION OF STUDENTS.

Students are divided into four classes, according to their time of study and proficiency. Students who began their professional studies in other recognized Medical Schools may be admitted to advanced standing; but all persons who apply for admission to the advanced classes must pass examinations in the branches already pursued by the class to which they

* The examinations in these subjects will be held at the end of the first half-year.

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seek admission, and furnish a satisfactory certificate of time spent in medical studies. No student may advance with his class, or be admitted to advanced standing, until he has passed the required examinations in the studies of the previous year, or a majority of them; nor may he become a member of the third class, until he has passed all the examinations of the first, including admission examinations, and in addition a majority of those of the second year; nor of the fourth class, until he has passed all of the examinations of the first and second, in addition to a majority of those of the third year. *No student will be permitted to take part in any exercise of the third year unless he is clear of all entrance conditions.*

*In order that the time of study shall count as a full year, students of all classes must present themselves within the first week of the School year and register their names with the Secretary.*

Any student may obtain a certificate of his period of connection with the School.

## LIBRARIES.

The students have access, free of charge, to the books belonging to the library of the School and to the libraries of the several departments.

The College Library at Cambridge is open to the students of the Medical School.

The Boston Public Library, which contains a large collection of medical books, is open to students who are inhabitants of Boston. Students, not inhabitants of Boston, who have filed a bond at the Treasurer's office, or deposited with the Treasurer the sum of fifty dollars, may also use this library. The Treasurer will furnish on application the necessary certificate of bond or deposit. The fine library building which is just completed stands next door to the Medical School.

## REQUIREMENTS FOR A DEGREE.

Every candidate must be twenty-one years of age, and of good moral character; must give evidence of having studied in a recognized Medical School at least four full years; have spent at least one continuous year at this School; and have passed the required examinations.

At the end of the four years of study the degree of Doctor of Medicine will be given to those students who have fulfilled its requirements. This degree *cum laude* will be given to candidates who have obtained an average of over seventy-five per cent* in all the required examinations.

The presentation of a thesis is not a requirement for graduation, but

* In computing averages all examinations will be reduced to a basis of three hours.

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candidates for the degree of M.D. may present a voluntary thesis. If of conspicuous merit, it will receive honorable mention; if also of a suitable character, it may be read at the University Commencement exercises. Theses must be completed and delivered to the Dean on or before the first day of June.

The degree of Master of Arts is open to graduates of the School who are also Bachelors of Arts of Harvard College, and to Bachelors of Arts of other Colleges who shall be recommended by the Faculty of Arts and Sciences of Harvard College. Candidates must pursue an approved course of study in Medicine for at least one year after taking the degree of Doctor of Medicine.

A graduate of another medical school may obtain the degree of M.D. at this University, after a year's study in the graduates' course and after passing all examinations required in the full undergraduate course, which may be taken at such times as shall be agreed upon by the examiners and the graduate student.

## ANATOMICAL PRIZE.

Professor C. B. Porter offers a prize of fifty dollars, open to all students, and graduates of not more than five years' standing, except teachers of anatomy, for the best dissection deserving the award illustrative of surgical anatomy, the specimen to be presented to the Museum.

## OTOLOGY PRIZE.

For the best preparation illustrating the osseous anatomy of the ear or for the best thesis showing original work on an otological subject, a prize of twenty-five dollars is offered, open to third and fourth-year students.

## PECUNIARY AID.

### Fellowships and Scholarships.

Bullard Fellowships. In 1891, Mr. William S. Bullard gave the sum of fifteen thousand dollars for the establishment of three fellowships of five thousand dollars each "in memory of three physicians who were distinguished for their honorable personal character and for their professional services in this community." Accordingly the three following fellowships were established with a yearly income of $225 each: —

The George Cheyne Shattuck Memorial Fellowship.
The John Ware Memorial Fellowship.
The Charles Eliot Ware Memorial Fellowship.

The income from any one or all of these fellowships may be paid to any student or member of the medical profession who shall be selected by

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the Faculty of the Medical School to make such original investigations in Medical Science, as in their opinion will be most useful to the profession and to the community.

Holders of Bullard Fellowships are required to do an amount of work equivalent to not less than ten hours per week throughout the academic year and to present to the Committee at the end of the academic year a report on the amount and result of the work performed.

BARRINGER SCHOLARSHIPS. Two, known as the Edward M. Barringer Scholarship No. 1, and the Edward M. Barringer Scholarship No. 2, and having a yearly income of $300 and $200 respectively, from a bequest of Edward M. Barringer will be awarded to deserving students, preferably those of the fourth class.

DAVID WILLIAMS CHEEVER SCHOLARSHIP, with an income of $200. Founded by David Williams Cheever, LL.D., M.D., of Boston in 1889. To be awarded to a poor and meritorious student of the first year only, after three months probation in the Medical School.

ISAAC SWEETSER SCHOLARSHIP. Founded in 1892 by Mrs. Anne M. Sweetser. The income of $250 to be "devoted to the aid of poor students of ability who would not otherwise be able to continue the studies necessary for their profession."

CLAUDIUS M. JONES SCHOLARSHIP, with an income of $250, from a bequest of six thousand dollars by Claudius M. Jones, M.D.

ORLANDO W. DOE SCHOLARSHIP. One-half the income from the bequest of Orlando W. Doe, M.D., of five thousand dollars, amounting to $100 "to be given annually as a scholarship to a deserving student in the Medical department."

CHARLES PRATT STRONG SCHOLARSHIP, with an income of $100. Founded in 1894 by friends and patients of the late Charles Pratt Strong, M.D.

The LEWIS AND HARPIET HAYDEN SCHOLARSHIP for colored students. Founded in 1894 from a bequest of Mrs. Harriet Hayden. The income is $200.

FACULTY SCHOLARSHIPS. Four, with an income of $200 each, have been established by the Faculty, and are open to meritorious students who have been at the School for at least one year. Only those students needing assistance are expected to apply; and of such, those holding the highest rank will have the preference. Holders of Faculty scholarships may be required to render assistance in laboratory courses to an amount not exceeding four hours per week.

ALFRED HOSMER LINDER SCHOLARSHIP, with an income of $200. Founded in 1895 by Mrs. George Linder. To be awarded to a needy student who shall have proven himself to be of sound principles and marked ability.

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The income of the John Foster Fund, amounting to about one hundred and fifty dollars, is payable every other year to one or more meritorious students needing assistance.

Except the Cheever and the Hayden Scholarships, none will be awarded to a member of the first-year class.

All applications for scholarships or pecuniary aid, except for the Cheever and Hayden Scholarships, must be handed to the Dean on or before May 30 of each year.

Applications for the Cheever and Hayden Scholarships must be handed to the Dean on or before November 30.

The blank form on which all applications for pecuniary aid must be made can be obtained of the Dean.

## FEES AND EXPENSES.

For matriculation, five dollars; for the first three years, two hundred dollars for each year (if in two payments, at the first, one hundred and twenty dollars; at the second, eighty dollars); for a half-year alone, one hundred and twenty dollars; the fee for the full year to all students entitled to be classified as fourth-year students and who have been regular members of the School for three full years will be one hundred dollars; for graduation, thirty dollars. During the first two years there are the following additional expenses: Two dollars for each of the three parts required for dissection; and five dollars per year for chemical material, in addition to the charge for breakage of glass apparatus. A deposit of fifteen dollars is required to cover these charges for chemical material and breakage. The balance of this deposit is returned at the end of the year. A deposit of two dollars with the Dean will entitle a student to the use of a locker in the School building. A student who wishes to rent a microscope of the School can do so upon payment of three dollars a term. In the fourth year a charge of three dollars will be made for material used in the course in Operative Surgery. Of students who do not pay in advance, a bond for $300, executed by two sufficient bondsmen, one of whom must be a citizen of the United States, is required. A copy of such bond will be sent, on application to the Secretary of the Faculty, and all students are recommended to deposit such a bond. To students depositing bonds, term-bills will be presented one week before the end of the first term, to be paid within two weeks; and also one week or more before Commencement, to be paid on or before the beginning of the next academic year. Such students will be held responsible for the payment of fees until they have notified the Dean of their intention to withdraw from the School, and have subsequently received their bond from the Treasurer.* Whenever a student

* The Treasurer's office is at 50 State St., Boston.

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is obliged to withdraw from the School before the last four weeks of a half-year for no misdemeanor, but for good and sufficient reason, to be determined in all cases by the Faculty, it shall be recommended that he be entitled to a remission of three-fourths of the amount due for that portion of the time during which he receives no instruction — this remission to date from the reception by the Dean of a written notice of the student's withdrawal from the School. No degree can be conferred till all dues to the School are discharged. The student's general expenses may be reduced, in accordance with his means, to the standard which prevails in other cities. A list of boarding places at various prices can be obtained at the rooms of the Young Men's Christian Association, corner of Berkeley and Boylston Streets, and the rooms of the Young Men's Christian Union, No. 48 Boylston Street, Boston.

## COURSES OF STUDY FOR GRADUATES.

The Faculty has arranged a greatly enlarged and improved plan of instruction for graduates, embracing nearly all the branches of practical and scientific medicine. It is designed to supply those opportunities for clinical and laboratory study which have hitherto been sought in Europe by young graduates and practitioners.

The laboratories of the School are well equipped for practical work, and the clinical advantages afforded by the hospitals of Boston furnish abundant material for all purposes of instruction. The following are the principal institutions: —

| | |
|---|---|
| Massachusetts General Hospital, | Boston Lying-in Hospital, |
| Boston City Hospital, | The Children's Hospital, |
| Boston Dispensary, | McLean Hospital (for the Insane,) |
| Massachusetts Eye and Ear Infirmary, | Boston Lunatic Hospital, |
| Free Hospital for Women, | The Carney Hospital. |

Instructors in the Medical School are members of the medical and surgical staffs of these institutions, and students are admitted to all of them under their immediate supervision.

Instruction in the graduate courses is entirely distinct from that of the undergraduate department of the School, with but few exceptions; but students of the former will be admitted also to all the regular lectures (not clinical) of the latter without extra charge during their connection with the School.

Instruction will be conducted in small classes and under the personal direction of the heads of departments.

Instruction will be given throughout the academic year, October to June.

A certificate of attendance will be furnished when desired.

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# The following Courses are announced in the Graduate Department for 1895–96.

| Subject. | Instructor. | Place. | Time. | Fee. |
|---|---|---|---|---|
| 1. Anatomy of the Joints | Dr. Dwight | Medical School | Special* | $25. |
| 2. Dissection Courses | Dr. Dexter | Medical School | After Nov. 1 | 20. |
| 3. Special Anatom. Instruction | Dr. Dwight | Medical School | Special* | Special.* |
| † 4. Histology and Microscopy | Dr. Minot | Medical School | Special* | 30. |
| † 5. Elem. Human Embryology | Dr. Minot | Medical School | Special* | 25. |
| † 6. Advanced Embryology | Dr. Minot | Medical School | Oct.—May | 75–125 |
| † 7. Physiology | Dr. Bowditch | Medical School | Special* | Special.* |
| † 8. Medical Chemistry | Dr. Wood | Medical School | Special* | 35. |
| 9. Clinical Microscopy | Dr. Whitney | Massachusetts General Hospital | Special* | Special.* |
| †10. Surgical Pathology | Dr. Mallory | Medical School | Apr., May | 20. |
| †11. Pathology of the Infectious Diseases. | Dr. Wright | Medical School | Nov., Dec. | 25. |
| †12. Patnological Anatomy and Histology of the Nervous System | Dr. Taylor | Medical School | Special* | 15. |
| 13. Clinical Medicine | Dr. Ernst | Massachusetts General Hospital | Oct. | 15. |
| †14. Clinical Medicine | Dr. Knight | Boston City Hospital | Oct., Nov. | 10. |
| †15. Clinical Medicine | Dr. Mason | Boston City Hospital | Nov., Dec., Jan. | 20. |
| ‡16. Minor Surgery | Dr. Conant | Massachusetts General Hospital | Oct. | 20. |
| ‡17. Minor Surgery | Dr. Conant | Massachusetts General Hospital | Dec. | 20. |
| ‡18. Abdominal Surgery | Dr. Conant | St. Elizabeth's Hospital | Oct., Nov. | 25. |
| 19. Clinical, Operative, Genito-urinary, Pathological and Minor Surgery | Drs. Monks and Thorndike | Boston City Hospital | Oct.—Dec. | 25. |
| 20. Clinical, Operative, and Minor Surgery | Drs. Burrell, Lovett, and Munro | Boston City Hospital | Dec.—Apr. | 25. |
| 21. Operative Surgery | Dr. C. B. Porter | Medical School | Special* | 25. |
| 22. Clinical Surgery | Dr. M. H. Richardson | Massachusetts General Hospital | Feb., March, Apr., May | 25. |
| ‡23. Children's Surgery | Drs. Burrell and Lovett | Children's Hospital | Oct., Nov., Dec. | 25. |
| ‡24. Children's Surgery | Drs. Burrell and Lovett | Children's Hospital | Apr., May, June | 25. |
| 25. Minor Surgery | Dr. Scudder | Massachusetts General Hospital | Feb., ‡Apr., ‡May | 25. |
| 26. Clinical Surgery | Dr. Gay | Boston City Hospital | Apr., May | 15. |
| 27. Clinical Surgery | Dr. Homans | Massachusetts General Hospital | March, Apr. | 20. |
| †28. Orthopedic Surgery | Dr. Bradford | Children's Hospital | Apr. | 15. |
| 29. Clinical Obstetrics | Dr. W. L. Richardson | Boston Lying-in Hospital | Nov., Dec., Apr., May | 20. |
| 30. Clinical Obstetrics | Dr. C. M. Green | Boston Lying-in Hospital | Jan., Feb., March | 20. |

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|---|---|---|---|---|
| 31. Practical Obstetrics | Drs. Reynolds, Townsend, and Haven | Boston Lying-in Hospital | Special* | 20. |
| 32. Operative Obstetrics | Dr. C. M. Green | Medical School | Special* | 25. |
| 33. Diseases of the Skin | Dr. White | Massachusetts General Hospital | Oct.—June | 25. |
| 34. Otology | Dr. Blake | Infirmary | Dec., Jan., Apr., May | 25. |
| 35. Otology | Dr. Bryant | Infirmary | Dec., Jan. | 25. |
| †36. Ophthalmology | Dr. Standish | Infirmary | Dec., Jan. | Special.* |
| †37. Ophthalmology | Dr. Cheney | Massachusetts General Hospital | March, Apr. | Special.* |
| 38. Gynaecology | Dr. Swift | Free Hospital for Women | Oct. | 25. |
| 39. Gynaecology | Dr. Swift | Free Hospital for Women | Dec. | 25. |
| 40. Gynaecology | Dr. Davenport | Free Hospital for Women | Jan. | 25. |
| 41. Gynaecology | Dr Davenport | Free Hospital for Women | March | 25. |
| 42. Gynaecology | Dr. Haven | Boston Dispensary | Nov. | 25. |
| 43. Gynaecology | Dr. Swift | Boston Dispensary | Jan., Feb. | 25. |
| 44. Gynaecology | Dr. C. M. Green | Boston City Hospital | Oct., Nov., Dec. | 25. |
| 45. Operative Gynaecology | Dr. Davenport | Medical School | Special* | 25. |
| 46. Diseases of the Nose and Throat | Dr. DeBlois | Boston City Hospital | Feb., March | Special.* |
| ‡47. Diseases of the Nose and Throat | Dr. Farlow | Boston Dispensary | Oct.—Jan. | Special.* |
| ‡48. Diseases of the Nose and Throat | Dr. Farlow | Boston City Hospital | Apr., May | Special.* |
| ‡49. Diseases of the Nose and Throat | Dr. Coolidge | Massachusetts General Hospital | Feb., March | Special.* |
| †50. Mental Diseases | Dr. Cowles | McLean Hospital | Special* | 10. |
| †51. Bacteriology | Dr. Ernst | Medical School | Special* | 25. |
| †52. Diseases of Children | Dr. Wentworth | Children's Hospital | Oct., Nov. | 20. |
| †53. Diseases of Children | Dr. Wentworth | Children's Hospital | Dec., Jan. | 20. |
| †54. Diseases of Children | Dr. Buckingham | Children's Hospital | Feb., March | 20. |
| †55. Diseases of Children | Dr. Buckingham | Children's Hospital | Apr., May | 20. |
| †56. Neurology | Dr. Knapp | Boston City Hospital | Feb., March | 20. |
| †57. Neurology | Dr. Knapp | Boston City Hospital | Apr., May | 20. |
| 58. Neurology | Dr. Walton | Massachusetts General Hospital | Nov. | 20. |
| 59. Legal Medicine | Dr. Draper | Boston City Hospital | Oct.—June | 25. |
| 60. Hygiene | Dr. Harrington | Medical School. | Special* | 25. |

* To be arranged with instructor. † Women admitted. ‡ Women admitted conditionally.

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### Fees.

The fees for the separate courses in the several departments vary with the courses.

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|---|---|
| Fee for two months' attendance upon all the courses, | $100. |
| " " four months' " " " " | 150. |
| " " attendance throughout the academic year " " " | 200. |

An extra fee is required for the use of material in laboratory, dissecting and operative courses.

All fees are payable in advance to the Secretary of the Medical School.

Those pursuing these courses may elect the studies to which they will give their attention, and allot the time they will devote to each. They will be exempt, unless at their option, from examinations, and may obtain a certificate of attendance on the courses pursued. On payment of the full fee for the year, they will have the privilege of attending other exercises of the Medical School, the use of its laboratories and library, and all other rights accorded by the University.

A series of lectures on special subjects will be given on Thursday evenings from October till May. These lectures are open to all members of the profession.

A graduate of another medical school may obtain the degree of M.D. from this University, after a year's study in the graduates' course and after passing the required examinations, which can be taken at such times as may be agreed upon by the examiners and the graduate student.

For further information and full description of the courses and lectures for graduates, address Dr. WILLIAM L. RICHARDSON, *Dean*, Harvard Medical School, Boylston Street, Boston, Mass.

## SUMMER COURSES.

During the summer of 1896 courses in many branches of practical and scientific medicine will be given by some of the teachers of the School. These courses will be clinical in character and will be given at the Hospitals and Dispensaries by the physicians and surgeons on duty. Practical instruction will also be given in several of the Laboratories at the School by the instructors in charge.

A detailed list of the Summer Courses will be announced in March. For further information address Dr. WILLIAM L. RICHARDSON, *Dean*, Harvard Medical School, Boylston Street, Boston, Mass.

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# BOYLSTON MEDICAL PRIZES.

These prizes, open to public competition, are offered annually for the best dissertations on questions in medical science proposed by the Boylston Medical Committee.

No prize was awarded at the annual meeting of 1895.

For 1896 two prizes are offered: —

1. A prize of one hundred and fifty dollars for the best dissertation on *The results of Original Work in Anatomy, Physiology, or Pathology.* The subject to be chosen by the writer.

2. A prize of one hundred and fifty dollars for the best dissertation on *The Action of any of the Toxic Ptomaines or Toxalbumins upon the Animal Economy.*

Dissertations on these subjects must be sent post-paid to W. F. WHITNEY, M.D., Harvard Medical School, Boston, Mass., on or before *Wednesday, April 1, 1896.*

For 1897 two prizes are offered: —

1. A prize of one hundred and fifty dollars for the best dissertation on *The results of Original Work in Anatomy, Physiology or Pathology.* The subject to be chosen by the writer.

2. A prize of one hundred and fifty dollars for the best dissertation on *The Results of Original Investigations in the Psychology of Mental Disease.*

Dissertations on these subjects must be sent to the same address as above on or before *January 1, 1897.*

In awarding these prizes preference will be given to dissertations which exhibit original work, but if no dissertation is considered worthy of a prize, the award may be withheld.

Each dissertation must bear in place of its author's name some sentence or device and must be accompanied by a sealed packet bearing the same sentence or device and containing within the author's name and residence. *Any clew by which the authorship of a dissertation is made known to the committee will debar such dissertation from competition.*

Dissertations must be written in a distinct and plain hand, and their pages must be bound in book form.

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All unsuccessful dissertations are deposited with the Secretary, from whom they may be obtained, with the sealed packet unopened, if called for within one year after they have been received.

By an order adopted in 1826, the Secretary was directed to publish annually the following votes: —

1. That the Board do not consider themselves as approving the doctrines contained in any of the dissertations to which premiums may be adjudged.

2. That in case of publication of a successful dissertation, the author be considered as bound to print the above vote in connection therewith.

The Boylston Medical Committee is appointed by the President and Fellows, and consists of the following physicians: ROBERT T. EDES, M.D., *President*, WILLIAM F. WHITNEY, M.D., *Secretary;* H. P. BOWDITCH, M.D., FRANK W. DRAPER, M.D., J. COLLINS WARREN, M.D., SAMUEL G. WEBBER, M.D., F. H. WILLIAMS, M.D., EDWARD S. WOOD, M.D.

The address of the *Secretary* is WILLIAM F. WHITNEY, M.D., Harvard Medical School, Boston, Mass.

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# THE DENTAL SCHOOL.

## BOSTON.

### FACULTY.

CHARLES W. ELIOT, LL.D., *President.*
EUGENE H. SMITH, D.M.D., *Dean*, and *Professor of Mechanical Dentistry.*
HENRY P. BOWDITCH, M.D., *Professor of Physiology.*
J. COLLINS WARREN, M.D., LL.D., *Professor of Surgery.*
THOMAS DWIGHT, M.D., LL.D., *Professor of Anatomy.*
THOMAS FILLEBROWN, M.D., D.M.D., *Professor of Operative Dentistry.*
CHARLES A. BRACKETT, D.M.D., *Professor of Dental Pathology.*
WILLIAM B. HILLS, M.D., *Associate Professor of Chemistry.*
CHARLES S. MINOT, S.D., *Professor of Histology and Human Embryology.*
EDWARD C. BRIGGS, M.D., D.M.D., *Assistant Professor of Materia Medica and Therapeutics.*
HAROLD C. ERNST, M.D., *Professor of Bacteriology.*
JERE E. STANTON, M.D., D.M.D., *Instructor in Oral Anatomy and Physiology and in Bacteriology.*
WILLIAM P. COOKE, D.M.D., *Instructor in Crown and Bridge Work.*
FRANKLIN DEXTER, M.D., *Assistant Professor of Anatomy.*

### OTHER INSTRUCTORS.

EZRA F. TAFT, D.M.D., *Instructor in Operative Dentistry.*
FOREST G. EDDY, D.M.D., *Instructor in Operative Dentistry.*
GEORGE H. MONKS, M.D., *Instructor in Surgical Pathology.*
GEORGE L. WALTON, M.D., *Instructor in Neurology.*
WILLIAM H. POTTER, D.M.D., *Clinical Lecturer in Operative Dentistry.*
DWIGHT M. CLAPP, D.M.D., *Clinical Lecturer in Operative Dentistry.*
EDWIN C. BLAISDELL, D.M.D., *Instructor in Operative Dentistry.*
HENRY W. GILLETT, D.M.D., *Instructor in Operative Dentistry.*
WALDO E. BOARDMAN, D.M.D., *Instructor in Operative Dentistry*, and *Curator of Museum.*
FREDERICK BRADLEY, D.M.D., *Instructor in Operative Dentistry.*

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HENRY L. UPHAM, D.M.D., *Instructor in Operative Dentistry.*
ARTHUR H. STODDARD, D.M.D., *Instructor in Mechanical Dentistry.*
ELLIS P. HOLMES, D.M.D., *Instructor in Operative Dentistry.*
FREDERICK S. HOPKINS, D.M.D., *Instructor in Operative Dentistry.*
PATRICK W. MORIARTY, D.M.D., *Demonstrator of Mechanical Dentistry.*
ARTHUR J. OLDHAM, D.M.D., *Instructor in Mechanical Dentistry.*
HARRY O. BIXBY, D.M.D., *Instructor in Mechanical Dentistry.*
ARTHUR W. ELDRED, D.M.D., *Instructor in Mechanical Dentistry.*
CHARLES E. PERKINS, D.M.D., *Instructor in Operative Dentistry.*
FRANK T. TAYLOR, D.M.D., *Instructor in Operative Dentistry.*
JOSEPH T. PAUL, D.M.D., *Demonstrator of Operative Dentistry.*
THEODORE HALLETT, D.M.D., *Instructor in Mechanical Dentistry.*
HARRY S. PARSONS, M.D., D.M.D., *Instructor in Operative Dentistry.*
NATHAN P. WYLLIE, D.M.D., *Assistant Demonstrator of Operative Dentistry.*
THOMAS B. HAYDEN, D.M.D., *Instructor in Mechanical Dentistry.*

## STANDING COMMITTEES.

*Executive Committee* — Dean, Drs. Fillebrown, Brackett, Briggs, Stanton, Cooke.
*Admission Examination* — Drs. Brackett, Briggs, Stanton.
*Building* — Drs. Fillebrown, Bowditch, Smith.
*Courses of Study* — Drs. Briggs, Brackett, Stanton.
*Museum* — Drs. Fillebrown, Stanton, Cooke.

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## STUDENTS.

### Third Year.

| NAME. | RESIDENCE. | PRESENT ADDRESS.* |
|---|---|---|
| Allen, Fred Wilde, | *Braintree*, | Braintree. |
| Barnard, Francis Homer, Jr., | *Duluth, Minn.* | Brookline. |
| Bienemann, Edgar Caspar, | *Brighton, Eng.* | 405 Columbus Ave. |
| Chase, Asher Harriman St. Clair, | *Everett*, | 10 Dean St., Everett. |
| Chute, Ernest Howard, | *Dedham*, | Dedham. |
| Cross, Harold DeWitt, | *Nashua, N. H.* | 71 Myrtle St. |
| Emery, John Walter, | *W. Medford*, | W. Medford. |
| Farrington, Edwin Linwood, | *Lowell*, | Lowell. |
| Fernald, Adelbert, | *Jackson, N. H.* | Harvard Den. Sch. |
| Gilbert, Guy Webster, | *Andover*, | Andover. |
| Gilman, Harry Sargent, | *Manchester*, | 86 Mt. Vernon St. |
| Hardy, Harvey Winchester, | *Westfield*, | 212 Columbus Ave. |
| Haynes, Harry Morrill, | *Portland, Me.* | 217 Huntington Ave. |
| McMeekin, Robert John, | *Boston*, | Boston Art Club. |
| Martin, James Francis, | *Springfield*, | 39 Malden St. |
| Matthews, Edward Wakefield, | *Yarmouth*, | Harvard Den. Sch. |
| Monroe, Charles Everett, | *Quincy*, | Quincy. |
| Ross, Thomas Kennedy, | *Everett*, | Everett. |
| Stadelmann, Philipp Johann Alexander, | *Frankfort-on-the-Main, Germany*, | 91 Warren Ave. |
| York, Charles Frederick, Jr., | *Rockport*, | Rockport. |

### Second Year.

| | | |
|---|---|---|
| Barnard, Frank Pliny, | *Oxford*, | 66 W. Cedar St. |
| Berry, Charles William, | *Boston*, | 31 Batavia St. |
| Blake, Ralph Vincent, | *Waltham*, | Waltham. |
| Brown, Clifton Gustavus, | *Stoughton*, | Stoughton. |
| Coxeter, John Sibley, | *Newtonville*, | Newtonville. |
| Davis, Harold Edgeworth, | *San Francisco, Cal.* | 137 Pembroke St. |
| Davis, Robert Irving, | *Chelsea*, | 3 Sturgis St., |
| Davis, Walter Sheldon, | *Worcester*, | Braintree. [Chelsea. |
| Dickinson, John Dana, | *Watertown*, | Watertown. |
| Estey, Harold Watson, | *Roslindale*, | Roslindale. |
| Faunce, Walter Joseph, | *Jamaica Plain*, | 42 Spring Park Ave., Jamaica Plain. |
| Forrest, George Lincoln, | *Holbrook*, | 231 W. Newton St. |
| Gordon, Charles Sumner, | *Worcester*, | 220 W. Springfield St. |

* Addresses are in Boston, unless stated to be elsewhere.

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| | | |
|---|---|---|
| Greenwood, George True, | *Fitchbury*, | 54 Montgomery St. |
| Harding, Francis Herbert, | *No. Cambridge*, | 15 Allen St., No. Cambridge. |
| Henry, Edward Everett, | *Wellesley Hills*, | Wellesley Hills. |
| Kenney, Arland Martin, | *Dorchester*, | 161 Glenway St., Dorchester. |
| Kent, Edwin Allen, | *W. Medway*, | 48 Montgomery St., W. Medway. |
| Lakin, Charles Ansel, | *Worcester*, | S. 30, Cambridge. |
| Lee, Thomas Jefferson, | *Brighton*, | 10 Parsons St., Brighton. |
| Lunan, William, Jr., | *Andover*, | 231 W. Newton St. |
| McDonough, Raimond Edgar, | *Bath, Me.* | 46 Pinckney St. |
| McMahon, Thomas Richard, | *Charlestown*, | 51 Allston St., Charlestown. |
| Mooney, Joseph Thomas, | *Boston*, | 11 James St. |
| Owen, James Martin, | *Boston*, | 109 Chandler St. |
| Parkhurst, Charles Erwin, | *Somerville*, | 79 Walnut St., Somerville. |
| Rafferty, John Henry, | *Somerville*, | Somerville. |
| Reuterswärd, Oscar Per Herman, | *Sweden*, | 419 Mass. Ave. |
| Shrieves, Edwin Barnett, | *Wilmington, O.* | 54 Montgomery St. |
| Vaughan, Clarence Bartlett, | *Boston*, | 231 W. Newton St. |
| Veo, Frank Hosea, | *Newtonville*, | Hotel Pelham. |
| Warren, George Alfred, | *Newton Highlands*, | Newton Highlands. |
| White, Walter Harris, | *Malden*, | 11 Perkins Ave., Malden. |
| Williams, Ernest Blake, | *Malden*, | 11 Perkins Ave., Malden. |
| Woodman, Herbert Clarence, | *Roxbury*, | 20 Copley St., Roxbury. |

FIRST YEAR.

| | | |
|---|---|---|
| Allen, Harry Roscoe, | *S. Willington, Conn.* | 31 E. Newton St. |
| Baker, Lawrence Wills, | *W. Roxbury*, | Bellevue St., W. Roxbury. |
| Burke, William Henry, Jr., | *Watertown*, | Watertown. |
| Burnham, Charles Boardman, | *Beverly*, | 19 Essex St., Beverly. |
| Crowther, Frank, | *E. Somerville*, | 60 Myrtle St., E. Somerville. |
| Daley, Joseph, | *Boston*, | 6 W. Newton St. |
| Dickinson, Eliot Taylor, | *Amherst*, | 6 Concord Sq. |

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|---|---|---|
| Dole, Charles Frederick, | *Orrington, Me.* | 4 Carlisle St., Roxbury. |
| Duckworth, Paul Hill, | *Lowell,* | 82 Princeton St., Lowell. |
| Elwell, Guy Jerome, | *Gloucester,* | 37 Mt. Vernon St., Gloucester. |
| Fallon, William Edward, | *Charlestown,* | 37 Winthrop St., Charlestown. |
| Fisher, Stewart Chestland, | *Denison, Tex.* | 102 Dorchester St. |
| Fitzgerald, James Joseph, | *Roxbury,* | 3 Dayton Ave., Roxbury. |
| Fitzgerald, Terence Richard, | *Dorchester,* | Dorchester. |
| Ford, Carleton Yates, | *Kingston, Can.* | W. Newton. |
| Freethey, Eugene Emery, | *Lawrence,* | 302 Methuen St., Lawrence. |
| Garfield, Roy Mason, | *Worcester,* | 196 Lincoln St. |
| Gaymond, George Osbourne, | *Dedham,* | Ashcroft. |
| Hanrahan, Timothy, | *Boston,* | 3 Concord Sq. |
| Hart, Ernest Jewett, | *Chelsea,* | 238 Washington Ave., Chelsea. |
| Hersey, George Murray, | *Hingham,* | South St., Hingham. |
| Hindes, J. Churchill, | *Vergennes, Vt.* | |
| Howe, Horace Leonard, | *E. Pepperell,* | 13 Ashburton Pl. |
| Hunt, Ralph Solon, | *Orange,* | 122 Huntington Ave. |
| Hutchins, Harvey David, | *Dorchester,* | 51 Bloomfield St., Dorchester. |
| Jenkins, Loyal Lovejoy, | *E. Boston,* | 110 Trenton St., E. Boston. |
| Leonard, Almon Evans, | *Glover, Vt.* | 869 South St., Roslindale. |
| Lynde, Frank Martin, | *Williamstown, Vt.* | 137 Pembroke St. |
| McGirr, Felix Francis, | *Cambridge,* | 1522 Cambridge St., Cambridge. |
| McKenna, Charles Henry, | *Dorchester,* | 147 Lauriat Ave., Dorchester. |
| Marston, Elmer Joseph, | *Farmington, Me.* | 14 James St. |
| Mongeon, Louis Frederic, | *Blackstone,* | Blackstone. |
| Morris, Edward Thomas, | *San Francisco, Cal.* | 138 Marlboro St. |
| Mudge, Cushing, | *Cambridge,* | 15 Pleasant St., Cambridge. |
| Murphy, Charles Edward, | *Haverhill,* | Tapleyville. |
| Owens, Thomas Bartholomew, | *Boston,* | 146 Camden St. |
| Parker, William Morse, | *Jamaica Plain,* | 212 Boylston St., Jamaica Plain. |

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|---|---|---|
| Phillips, William Eben, | *Watertown*, | Mt. Auburn St., Watertown. |
| Ray, Frederick Nash, | *Bradford*, | Bradford. |
| Rogers, William Joseph, | *Jamaica Plain*, | 6 Robinwood Ave., Jamaica Plain. |
| Savage, George Arthur, | *Worcester*, | 518 Main St., Worcester. |
| Siears, Frank Bowker, | *Malden*, | 14 Park St., Malden. |
| Squarebrigs, William Daniel, | *Bay Fortune, P.E.I.* | 192 Brooks St., E. Boston. |
| Starratt, Wilfred Harlow, | *Lawrencetown, N.S.* | 97 Hyde Park Ave. |
| Stone, Warren Buxton, | *Lynn*, | 133 Washington St., Lynn. |
| Timlin, John Talbot, | *Melrose*, | 26 Poplar St., Melrose. |
| Tuck, Albert Everett, | *Gloucester*, | 98 Walnut St., Chelsea. |

## SUMMARY.

| | |
|---|---|
| Third Year Students | 20 |
| Second Year Students | 35 |
| First Year Students | 47 |
| Total | 102 |

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# THE DENTAL SCHOOL

The Dental Department of the University is established in Boston.

Instruction in this School is given throughout the academic year, by lectures, recitations, clinical teaching, and practical exercises, uniformly distributed. The year begins on the Thursday following the last Wednesday in September, and ends on the last Wednesday in June. There is a recess beginning December 23, and ending January 2; and a spring recess of one week beginning on the Sunday next preceding the 19th of April, or on Sunday the 19th of April when that day falls on Sunday, and ending on the following Saturday, both days inclusive. The course of instruction is progressive, and extends over three years, the teaching of one year not being repeated in the next.

The studies of the first year are pursued in connection with the classes in the Harvard Medical School, the student receiving the same instruction by the same professors at the same time and place with the medical students, and at the end of the year passing with them the same examinations.

It is the object of the Faculty to present a complete course of instruction in the theory and practice of Dentistry; and for this purpose a well-appointed laboratory and infirmary are provided, and such arrangements made as insure an ample supply of patients. Clinical instruction is given by the professors and other instructors; and, under the direction of demonstrators, patients are assigned to the students, insuring to all opportunity of operating at the chair, and becoming by actual practice familiar with all the operations demanded of the dentist.

The Infirmary remains open, and one of the Clinical Instructors and a Demonstrator are in attendance, daily, throughout the academic year, offering to students unsurpassed facilities for acquiring practical knowledge and manipulative dexterity.

Students have access to the hospitals of the city; to the dissecting-room and museum of the Medical School; and also, *without additional charge, to the instruction and examinations given in any other department of the University, with the exception of exercises carried on in the special laboratories.*

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## REQUIREMENTS FOR ADMISSION.

All candidates for admission, except those who have passed an examination for admission to Harvard College, or the Lawrence Scientific School, must present a degree in Letters, Science, or Medicine, from a recognized college or scientific school, or pass an examination in the following subjects:

1. ENGLISH. Every candidate will be required to write, legibly and correctly, an English composition of not less than two hundred words, and also to write English prose from dictation.

2. PHYSICS. A competent knowledge of Physics such as may be obtained from Gage's Elements of Physics or any other High School Physics.

ELECTIVE SUBJECTS. Each candidate for admission must also pass an examination in *one* of the following subjects: Latin, French, German, the Elements of Algebra, or Plane Geometry.

*After 1896 all candidates will be required to pass an examination in Latin, French or German.*

Students may be admitted to advanced standing upon passing a satisfactory examination in a *majority* of the studies already pursued by the class, but before taking the degree examinations in *all* the studies must have been satisfactorily passed.

*Graduates* of recognized Dental Schools will be admitted without examination to the courses of Operative and Mechanical Dentistry, but attendance on such courses does not entitle to examination for the degree nor to a certificate of attendance.

The examinations for admission are conducted in writing. In judging the work of the candidate, the spelling, grammar and construction are considered.

*The examination for admission* is held at the Dental School, North Grove St., Boston, on the Tuesday before the last Wednesday in June and on the Monday preceding the last Wednesday in September, beginning at 10 A.M.

*No person will be examined for admission at any other than the regularly appointed time.*

The entrance and first-year examinations will be allowed to foreign students who have passed *equivalent* examinations abroad, upon presentation of proper certificates from the examining boards vouching for the facts.

All persons intending to take the entrance examination must send their names to the Dean for registry at least two weeks previous to the day on which the examination is to take place.

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## COURSE OF INSTRUCTION.

The following are the methods of study adopted in the various departments: —

*For the First Year.* — Anatomy-dissection, physiology, histology and embryology; general chemistry, hygiene, medical chemistry, and bacteriology.

*For the Second Year.* — Oral pathology, operative dentistry, mechanical dentistry; general and dental materia medica and therapeutics; oral anatomy and physiology, bacteriology, and surgical pathology; practical work every forenoon in the mechanical laboratory and every afternoon in the operative infirmary, and crown and bridge work.

*For the Third Year.* — Operative dentistry, mechanical dentistry, orthodontia, neurology, practical work in operative infirmary and mechanical laboratory.

## INSTRUCTION FOR 1895-96.

### Anatomy.

Descriptive Anatomy. *Four times a week.* Professor DWIGHT.

Practical Anatomy, with Exercises in Dissection. *Eight hours daily from October 15 till May.* Demonstrations and recitations. Drs. DEXTER, CONANT, MUNRO, BROOKS, C. A. PORTER, and TENNEY.

### Physiology.

Systematic and Experimental Physiology. *Four times a week during first half-year. Five times a week during second half-year.* Professors BOWDITCH and W. T. PORTER.

Laboratory Exercises in Experimental Physiology. *Four times a week in sections.* Dr. DAVIS.

### Chemistry.

Descriptive and Analytical Chemistry. *Twice a week, during first half-year.* Professor HILLS.

Medical Chemistry. *Twice a week during second half-year.* Professor HILLS.

Practical Exercises in the Laboratory in Analytical and Medical Chemistry. *Daily.* Professor HILLS, Drs. WORCESTER and OGDEN.

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### Histology and Embryology.

Lectures. *Twice a week during the first term, once a week during the second term.* Professor MINOT.

Laboratory Exercises. *Two hours a week.* Professor MINOT and Dr. AMES.

### Bacteriology.

Lecture. *Once a week, second half-year.* Professor ERNST.

Laboratory. *Three hours a week for six weeks, second half-year.* Professor ERNST.

### Operative Dentistry.

Lectures. *Once a week.* Professor FILLEBROWN.

Clinical Lectures. *Once a week for ten weeks.* Drs. CLAPP and POTTER.

Practical Work. *First year, six hours a week for half-year; second and third years, fifteen hours a week throughout the second and third year.*

### Mechanical Dentistry.

Lectures. *Once a week.* Professor SMITH.

Practical Work. *Eighteen hours a week throughout the second and third year.*

### Surgery.

Lectures. *Once a week for one month.* Professor WARREN.

### Operative Surgery.

Operations are performed before the students one day each week throughout the year in the Amphitheatres at the Massachusetts General Hospital and Boston City Hospital.

Operative Surgery and Surgical Anatomy. *Exercises illustrated upon the cadaver twice a week in March and April.* Professor C. B. PORTER.

The Surgical Cases at the Eye and Ear Infirmary and at the Boston Dispensary are shown by the surgeons in charge.

### Dental Pathology.

Lectures. *Once a week.* Professor BRACKETT.

### Oral Anatomy and Physiology.

Lectures and Demonstrations. *Once a week.* Dr. STANTON.

### Surgical Pathology.

Lectures. *Once a week for ten weeks.* Dr. MONKS.

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### Materia Medica.

Lectures. *Once a week.* Asst. Professor E. C. Briggs.

### Orthodontia.

Lectures and Demonstrations. *Once a week.* Dr. Smith.

### Neurology.

Lectures. *Once a week for four weeks.* Dr. Walton.

### Crown and Bridge Work.

Lectures and Demonstrations. *Once a week.* Dr. Cooke.

## METHODS OF INSTRUCTION.

*Anatomy.* — Lectures, demonstrations, various practical exercises, including dissection under the direction of the Demonstrator; recitations.

*Physiology.* — Lectures, recitations, conferences, and practical demonstrations. Opportunities for work in the physiological laboratory of the new Medical School are offered to students who are qualified to carry on original investigations.

*Chemistry* is taught mainly by practical work in the laboratory, each student having his own desk and apparatus. Descriptive chemistry and qualitative analysis are taught during the first half of the first year. Besides the laboratory work, there are two lectures every week. In the second half of the first year medical chemistry is taught by lectures, recitations, and exercises in the laboratory, where each student will be taught the chemistry and microscopy of the urine and the tests for the important poisons.

*Surgery.* — Lectures and recitations in oral surgery illustrated by colored drawings and by recent and morbid specimens. All approved instruments and apparatus are exhibited and explained. Operations are performed on the living subject at the hospitals, and upon the dead body. Instruction is given in the use of anaesthetics.

Instruction in clinical surgery is given at the Massachusetts General Hospital and City Hospital every week.

*Histology and Embryology.* — Lectures and special laboratory exercises for practical instruction in general histology, and upon the structure and development of the teeth and mouth.

*Bacteriology.* — Lectures and practical work in laboratory.

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*Operative Dentistry.* — The instruction in this department is both didactic and practical. The Professor and other Instructors endeavor to demonstrate all known methods of performing operations upon the teeth and other tissues involved.

The treatment of decay, the materials used for filling teeth, the most approved instruments and appliances used in operating upon the teeth, are appropriately discussed. Clinics are held at the Infirmary, and every available means used to make the student practically acquainted with all the modern improvements of this important branch of dental science; but no student will be permitted to operate at the chair until he has by observation and practice on extracted teeth satisfied the Professor of his fitness.

*Oral Anatomy and Physiology.* — Lectures and recitations upon the minute anatomy of the teeth and their histological development, and the surgical pathology of the tissues in and about the mouth. Material is furnished for the examination of the tissues in a healthy and diseased condition, with instruction in its preparation.

*Dental Pathology.* — In the beginning of the course of lectures the general principles of pathology, including etiology, nosology, semeiology, diagnosis, and prognosis are outlined. The various pathological conditions in their relations to one another and their modifications of structure and function are taught. This prepares the way for the special pathology of the region with which the dentist has most to do. The diseases of the dental and contiguous tissues are considered in detail, with reference to their nature, causes, manifestations and terminations, and their relations with systemic conditions.

*Surgical Pathology.* — Lectures and recitations embracing the subjects of shock, inflammation, repair, suppuration, ulceration, mortification, embolism, pyaemia, erysipelas, and tetanus.

*Materia Medica and Therapeutics.* — Lectures, recitations, and demonstrations of crude drugs and their preparations. This is a complete course , as taught in the medical school to medical students. Remedies are classified, however, to meet the special requirements of the dental practitioner, and the student is particularly instructed upon those remedies which, as a specialist, he will be called upon most to use.

*Mechanical Dentistry.* — Lectures and practical work in the laboratory; the manner in which mineral teeth are constructed, the principles and method of carving and furnace-work, and all compounds used for artificial teeth; also metallurgy, and the manner in which gold and silver plates are prepared and adapted to the mouth; the use of rubber and other articles as bases. It is the aim to teach not only the mere mechani-

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cal processes of dentistry, but that combination of art with mechanism which enables the practitioner to effect so much in restoring the symmetry of the face and usefulness of the teeth, where they have been lost or impaired by accident or disease.

*Orthodontia* is taught by lectures and by practical work in the infirmary. Models of cases are shown, and students are made familiar with the principles underlying the irregularities and the various appliances for their correction.

*Neurology.* — A course of four lectures on neurology will include a brief review of the anatomy and physiology of the nervous system, the anatomy of the trifacial nerve being made the subject of special study.

The nervous disturbances liable to be set up by dental irritation, and, conversely, those likely to produce odontalgia, will be considered as fully as the limited nature of the course permits, special attention being paid to trifacial neuralgia.

*Clinical Lectures on Operative Dentistry.* — These exercises include operations on patients, demonstrations and exhibition of models, showing the individual methods of the lecturers with descriptions and explanations.

## TEXT-BOOKS.

The following works are recommended as text-books, and for collateral reading and consultation: —

### Anatomy.

*Text-Books.* — Gray (11th edition). Quain (10th edition). Wilson, Holden's Landmarks. Dwight's Frozen sections of a Child. Treves' Applied Anatomy.

*Collateral Reading.* — Harrison Allen's Anatomy. Tillaux, Anatomie Topographique. Holden's Osteology. Humphry's Human Skeleton. Morris, on the Joints. Weisse's Practical Human Anatomy. McClellan's Regional Anatomy.

### Histology and Embryology.

*Text-books.* — Stöhr's Lehrbuch der Histologie, or Schaefer's Essentials of Histology.

*Collateral Reading.* — Quain's Anatomy (10th edition). Lee's microscopist's Vade-mecum, Schiefferdecker and Kossel's Gewebelehre. Minot's Human Embryology. Foster and Balfour's Embryology.

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### Physiology.

*Text-Books.* — Foster's Text-book of Physiology. Martin, The Human Body. Kirke's Handbook of Physiology. Waller, Human Physiology.

*Collateral Reading.* — Fick, Compendium der Physiologie. Halliburton's Text-book of Chemical Physiology and Pathology. McGregor-Robertson's Elements of Physiological Physics. Landois' Manual of Human Physiology. Stirling's Practical Physiology.

### General Chemistry.

*Text-Books.* — Witthaus' Medical Student's Manual of Chemistry.

*Collateral Reading.* — Miller's, Roscoe and Schorlemmer's, or Fownes' Chemistry. Douglass and Prescott's, or Fresenius' Qualitative Analysis.

### Medical Chemistry.

*Text-Books.* — Tyson, Practical Examination of Urine. Wharton and Stillé's Medical Jurisprudence, Vol. II., on Poisons, 4th edition.

*Collateral Reading.* — Ultzmann and Hoffmann's Atlas der Harnsedimente. Roberts' Urinary and Renal Diseases. Neubauer and Vogel, Analysis of the Urine. Hoppe-Seyler, Physiologische Chemie. Taylor on Poisons. Wormley's Micro-Chemistry of Poisons.

### Dental Chemistry.

*Text-Book.* — Mitchell's Dental Chemistry.

### Surgery.

*Text-Books.* — An American Text-Book of Surgery. Holmes's System of Surgery. Treves' Manual of Operative Surgery. Garretson's Oral Surgery.

### Materia Medica and Therapeutics.

Edes' Materia Medica and Therapeutics. Potter's Materia Medica. Bartholow's Hypodermatic Medication.

### Dental Pathology.

Blodgett's Dental Pathology. DeBary's Lectures on Bacteria. Miller's Microörganisms of the Human Mouth.

### Surgical Pathology.

Billroth's Surgical Pathology.

### Oral Anatomy and Physiology.

Black's Dental Anatomy. Tomes' Dental Surgery.

### Orthodontia.

Farrar's Irregularities of the Teeth. Talbot's Irregularities. Guilford's Orthodontia.

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### Operative Dentistry.

Fillebrown's Operative Dentistry. Taft's Operative Dentistry. American System of Dentistry.

### Mechanical Dentistry.

Richardson's Mechanical Dentistry. Kingley's Oral Deformities. Harris' Principles and Practice.

### Crown and Bridge Work.

Evans.

### Anaesthesia.

Anstie's Stimulants and Narcotics. Turnbull's Artificial Anaesthesia.

## CLINICAL ADVANTAGES.

The Dental Department of the University is established in Boston, in order to secure those advantages for Clinical Instruction which are found only in large cities.

The clinics of the Dental Hospital afford a sufficient number of patients to give every student abundant practice in all branches of dentistry throughout the year.

Each student is assigned a chair, and is expected to improve his opportunity and operate three hours every day, five days in the week, giving each student during each year 480 hours of practice in operative dentistry.

In the mechanical department the student gives three hours a day for six days each week, giving 576 hours' practice each year.

The Museum contains over 3000 specimens, and offers unusual facilities for study of the teeth. The pathological anatomy of the teeth is shown by more than 1600 specimens, among which are over two hundred dissected teeth showing formations of secondary dentine in the pulp cavity, and also many other rare specimens of great value.

There are 600 other specimens of human and comparative anatomy, illustrating a wide range of knowledge.

*The Massachusetts General Hospital.* — During the past year, 3406 patients were treated in the wards, and 27,989 new patients in the out-patient departments. Total out-patient attendance, 90,614. Patients are received from all parts of the United States and the Provinces, and are visited by the students, with the attending physicians and surgeons, on four days in the week. Operations are numerous, and are performed in the amphitheatre, which is provided with seats for 400 persons. Clinics in the following special branches have been established in connection with the out-patient department: Dermatology, Laryngology, Diseases of the Nervous System, and Ophthalmology.

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*The City Hospital.* — During the past year, 8763 cases were treated in its wards, and 15,592 in its various out-patient departments. The medical wards always contain many cases of acute diseases, and changes are taking place constantly. The opportunities for seeing fractures, injuries, and traumatic cases of all kinds are excellent, since, on an average, 800 street accidents are yearly treated. Surgical operations are performed in the amphitheatre. Diseases of the eye, the ear, and the skin are largely treated in the out-patient department. Clinical instruction is given by the physicians and surgeons twice a week.

In these two hospitals, the facilities for witnessing Operative Surgery are unsurpassed. Twice a week operations are performed in the presence of the class. The number of these operations is large, reaching nearly two thousand a year. The variety is great, embracing every surgical disease and injury, including the surgical operations on the eye and ear.

*The Boston Dispensary.* — 42,116 patients were treated at this Public Charity during the past year. A new building has lately been erected at a cost of $50,000, where students have ample and excellent opportunity for seeing practical work in the diagnosis and treatment of cases illustrating the various branches of medicine and surgery.

*The Massachusetts Charitable Eye and Ear Infirmary.* — The fourteen thousand patients annually treated at this institution present every variety of disease of the ear and eye, and supply a large number of operations.

*The Marine Hospital at Chelsea* receives from the shipping of the port a large number of patients, who furnish examples of the diseases of foreign countries and of distant parts of the United States. Many cases of venereal disease, in its various forms, are treated annually.

## LIBRARIES.

The College Library at Cambridge is open to students and also the library of the Boston Medical Library Association which has a dental section containing a large and very complete collection of dental literature. It includes the library of the Harvard Dental School, the American Academy of Dental Science, and the Massachusetts Dental Society.

The Boston Public Library is open to students who are inhabitants of Boston. Students who are not inhabitants of Boston, who have filed bonds at the Treasurer's office, or deposited with the treasurer the sum of fifty dollars, may also use this Library.

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## EXAMINATIONS.

The regular examinations, conducted in writing and orally, are held at the end of each year in June and in September in the following order, viz: —

At the end of the first year in the studies of that year, — anatomy, two hours, including dissection; physiology, three hours; chemistry, three hours; histology, one hour; and bacteriology, one hour. A certificate from the Demonstrator of Anatomy will be required of each student that he has satisfactorily performed the required dissections.

At the end of the second year in the studies of that year, — dental pathology, two hours; materia medica and therapeutics, two hours; oral anatomy, three hours; physiology and bacteriology, two hours; surgical pathology, three hours.

At the end of the third year in operative dentistry, two hours; mechanical dentistry, three hours; orthodontia, one hour; and in crown and bridge, one hour. These examinations will include actual operations performed during the course, and the preparation of specimens of mechanical dentistry.

Students shall not be entitled to enter the third year class in practical operative dentistry, until they are able to properly cleanse teeth, properly excavate and form cavities for filling and manipulate plastic fillings, and have made reasonable proficiency in treating pulps and pulp canals.

Applicants for advanced standing must pass all the examinations of the years which they desire to omit, or furnish proof that they have passed equivalent examinations. Examinations for advanced standing are held in September only.

No student will be allowed to anticipate the examinations in the regular course of studies of his year, except by special permission of the Faculty.

Those who fail in any subject may present themselves in that subject again at the next regular examination. The regular examinations for the year 1895–96 will begin June 1 and September 28, 1896.

## DIVISION OF STUDENTS.

Students are divided into three classes according to their lines of study and proficiency, and during their last year will receive largely increased opportunities of clinical instruction and practice in the practical work of operations on the natural teeth and mouth.

***In order that the time of study shall count as a full year, students of all classes must present themselves within the first month of the School year and register their names with the Dean.***

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## REQUIREMENTS FOR THE DEGREE.

The degree of Doctor of Dental Medicine (*Dentariae Medicinae Doctor*) may be conferred upon any candidate of adult age, and of good moral character, who has passed *all the required examinations*, and convinced the Professors and Instructors of Operative and Mechanical Dentistry of his ability to meet satisfactorily the requirements of his art. He must also give evidence of having studied medicine or dentistry three full years, the last continuous year of which must have been spent at this School.

He must also deposit with the Dean, to be placed in the Museum of the School, a specimen of mechanical dentistry, or of practical or pathological anatomy, prepared during the course under the eye of the instructor.

No student may advance with his class until he has passed a satisfactory examination in a majority of the studies already pursued by his class.

The course is a graded one of three continuous years. *Graduates* from other reputable dental schools will be permitted to enter the Senior class after passing the required examinations, or without examination, by special vote of the Faculty.

## INSTRUMENTS.

With the exception of extracting instruments, lathes, and vulcanizers, each student will be required to furnish his own instruments, and appliances for both laboratory and operating room.

## FEES AND EXPENSES.

There are no fees for matriculation, for the diploma, or for the demonstrators. For the first year a student is a member of the School, the fee is $200, in two payments of $120 and $80, at the beginning of each term; for the second year, $150, in two payments of $100 and $50, payable at the beginning of each term; for any subsequent year, $50, payable at the beginning of the year.

Students who do not file a bond are required to deposit $15 to cover breakages, &c. in the Chemical Laboratory; also a deposit of $6 for parts for dissection. The unused balance is returned at the end of the year.

*Graduates* of recognized Dental Schools will be admitted to the courses of Operative and Mechanical Dentistry for the whole or any portion of the academic year on payment of fifty dollars for each course. By attending these courses the student does not become a candidate for the degree nor is he entitled to a certificate of attendance.

Of students *who do not pay in advance*, a bond for $300 executed by two sufficient bondsmen, one of whom must be a citizen of the United

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States, is required. A copy of such bond will be sent, on application to the Treasurer of the University. The bond of the "American Surety Company," if made in a form satisfactory to the Treasurer of the University, will also be accepted. To students depositing these bonds, term-bills will be presented a week before the end of the first term, to be paid within two weeks; and also one week or more before Commencement, to be paid on or before the beginning of the next academic year. Such students will be held responsible for the payment of fees until they shall have notified the Dean of their intention to withdraw from the School, and have received their bond from the Treasurer. *No degree can be conferred till all dues to the School are discharged.*

Whenever a student is obliged to withdraw from the School before the last four weeks of a half-year for no misdemeanor, but for good and sufficient reason, to be determined in all cases by the Faculty, it shall be recommended that he be entitled to a remission of three-fourths of the amount due for that portion of the time during which he receives no instruction — this remission to date from the reception by the Dean of a written notice of the student's withdrawal from the School.

The student's expenses may be reduced, in accordance with his means, to the standard which prevails in other cities. The Janitor of the Medical School keeps a list of boarding-houses in which the charges are from five dollars per week upwards, according to accommodation furnished.

Students, on joining the School, and at the beginning of each School year, must enter their names with the Dean of the Faculty.

For further information address EUGENE H. SMITH, *Dean*, 283 Dartmouth St., Boston, Mass.

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*The following Tabular View illustrates the distribution of studies throughout the year.*

## First Class.

MEDICAL SCHOOL, BOYLSTON ST.

| | Monday. | Tuesday. | Wednesday. | Thursday. | Friday. | Saturday. |
|---|---|---|---|---|---|---|
| 9 | †Anatomy, L. Prof. Dwight. Lect.-room C. | †Anatomy, L. Prof. Dwight. Lect.-room C. | †Anatomy, L. Prof. Dwight. Lect.-room C. | *Anatomy, L. Prof. Dwight. Lect.-room C. [2]Physiol. C. Lect.-room A. | ‡Anatomy, L. Asst. Prof. Dexter. Lect.-room C. | ‡Anatomy, L. Asst. Prof. Dexter. Lect.-rm. C. |
| 10 | [1]Hygiene, L. Dr. Harrington. | [1]Histol. Laborat. Prof. Minot. and Dr. Quincy. | Histology. L. Prof. Minot. | [1]Histol. Laborat. Prof. Minot and Dr. Quincy. | [1]Histology, L. Prof. Minot. | Physiol., R. Prof. Bowditch. Lect.-rm. A. |
| 11 | Physiology. L. Prof. Bowditch. Lect.-room A. | 2d term, 9–11. | | 2d term, 9–11. | Physiology. L. Prof. Bowditch, Lect.-room A. | Physiology. Dem. Asst. Prof. Porter. |
| 12 | Anatomy, R. Dr. Conant, Lect.-room C. | [1]General Chemistry, L. Prof. Hills. Lect.-room A. [2]Physiology, L. Prof. Bowditch, Lect.-room A. | Medical Chemistry, L. Prof. Hills, Lect.-room A. | [1]General Chemistry, L. Prof. Hills. Lect.-room A. [2]Physiology, L. Prof. Bowditch, Lect.-room A. | Medical Chemistry, L. Prof. Hills, Lect.-room A. | *Laborat'y. |
| 2 | [2]Dr. Taylor. Practical Dentistry. Dtl. Hosp. N. Grove St. | *Laboratory. | [2]Dr. Upham. Practical Dentistry. Dtl. Hosp. No. Grove St. | Laboratory. | *Laboratory. | |
| 3 | | | | | [2]Bacteriology L. Prof. Ernst. Lect.-room A. | |
| 4 | *Laboratory. | | | | | |
| 5 | | | | | | |

[1] First half-year only.
[2] Second half-year only.
* Anatomy, Bacteriology, Chemistry, and Physiology.
† Till January.
‡ Till April.

L. Lecture.
R. Recitation.
C. Conference.
Dem. Demonstration.

The studies of the first year are pursued at the Medical School, corner Boylston and Exeter Streets.

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## Second Class.

DENTAL HOSPITAL, NORTH GROVE ST.

| | Monday. | Tuesday. | Wednesday. | Thursday. | Friday. | Saturday. |
|---|---|---|---|---|---|---|
| 9 | Crown and Bridge work and Metallurgy. Dr. Cook. Clin. Lect. or Dem. Lect.-room A. | Mat. Medica. and Thera., L. Asst. Prof. Briggs. Lect.-room A. | Op. Dent., L. Prof. Fillebrown. Lect.-room B. | Prac. Mechan. Dentistry. Lab. Dr. Oldham. | Oral Anat. & Physiology, L. Dr. Stanton. Lect.-room A. | Mechan. Dentistry and Orthodontia. L. Prof. Smith. Lect.-rm. B. |
| 10 | Prac. Mechan. Dentistry. Lab. Dr. Eldred. | Prac. Mechan. Dentistry. Lab. Dr. Hallett. | Prac. Mechan. Dentistry. Lab. Dr. Hayden. | | Prac. Mechan. Dentistry. Lab. Dr. Bixby. | Prac. Mech. Dentistry. Lab. |
| 10½ | | | | Dent. Path., L. Prof. Brackett. Lect.-room A. | | |
| 11½ | | | | | | |
| 12 | Dr. Moriarty. Dem. | Dr. Moriarty. Dem. | Dr. Moriarty. Dem. | Dr. Moriarty. Dem. | Dr. Moriarty. Dem. | Dr. Moriarty. Dem. |
| 2 | Pract. Op. Dentistry. Dr. Holmes. | Pract. Op. Dentistry. Dr. Perkins. | Pract. Op. Dentistry. Dr. Parsons. | Pract. Op. Dentistry. Dr. Blaisdell. | Pract. Op. Dentistry. Dr. Hopkins. | |
| 4 | Dr. Paul. Dem. | Dr. Paul. Dem. | Dr. Paul. Dem. | Dr. Paul. Dem. | Dr. Paul. Dem. | |
| 5 | Dr. Wyllie. Asst. Dem. | Dr. Wyllie. Asst. Dem. | Dr. Wyllie. Asst. Dem. | Dr. Wyllie. Asst. Dem. | Dr. Wyllie. Asst. Dem. | |

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## Third Class.

DENTAL HOSPITAL, NORTH GROVE ST.

| | Monday. | Tuesday. | Wednesday. | Thursday. | Friday. | Saturday. |
|---|---|---|---|---|---|---|
| 9 | Crown and Bridge work and Metallurgy. Clin. Lect. or Dem. Dr. Cook. Lect.-room A. | Surg. Path. Dr. Monks. 10 weeks. Dr. Clapp. 4 weeks in Dec. Dr. Potter. 5 weeks in Jan. Lect.-room A. | Op. Dent., L. Prof. Fillebrown. Lect.-room B. | Prac. Mechan. Dentistry. Lab. Dr. Oldham. | *Neurol'gy, L. 4 weeks. Dr. Walton. Lect.-room A. Prac. Mechan. Dentistry. Lab. Dr. Bixby. *Dr. Stoddard. | Mechan. Dentistry and Orthodontia. L. Prof. Smith. Lect.-rm. B. |
| 10 | Prac. Mechan. Dentistry. Lab. Dr. Eldred. | Prac. Mechan. Dentistry. Lab. Dr. Hallett. | Prac. Mechan. Dentistry. Lab. Dr. Hayden. | | | Prac. Mech. Dentistry. Lab. |
| 12 | Dr. Moriarty. Dem. | Dr. Moriarty. Dem. | Dr. Moriarty. Dem. | Dr. Moriarty. Dem. | Dr. Moriarty. Dem. | Dr. Moriarty. Dem. |
| 2 | Pract. Op. Dentistry. Dr. Gillett. | Pract. Op. Dentistry. Dr. Taft. | Pract. Op. Dentistry. Dr. Eddy. | Pract. Op. Dentistry. Dr. Bradley. | Pract. Op. Dentistry. Dr. Boardman. | |
| 4 | Dr. Paul. Dem. | Dr. Paul. Dem. | Dr. Paul. Dem. | †Surgery, L. Prof. Warren. Dr. Paul. Dem. | Dr. Paul. Dem. | |
| 5 | Dr. Wyllie. Asst. Dem. | Dr. Wyllie. Asst. Dem. | Dr. Wyllie. Asst. Dem. | Dr. Wyllie. Asst. Dem. | Dr. Wyllie. Asst. Dem. | |

* During second half-year. † Medical School.

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# THE SCHOOL OF VETERINARY MEDICINE.

## FACULTY.

CHARLES W. ELIOT, LL.D., *President.*

CHARLES P. LYMAN, F.R.C.V.S., *Dean*, and *Professor of Veterinary Medicine.*

FREDERICK H. OSGOOD, B.S., M.R.C.V.S., *Acting Dean, Professor of Veterinary Surgery*, and *Surgeon in Charge of Veterinary Hospital.*

HENRY P. BOWDITCH, M.D., *Professor of Physiology.*

J. COLLINS WARREN, M.D., LL.D., *Professor of Surgery.*

EDWARD S. WOOD, M.D., *Professor of Chemistry.*

WILLIAM B. HILLS, M.D., *Associate Professor of Chemistry.*

WILLIAM F. WHITNEY, M.D., *Professor of Parasites and Parasitic Diseases.*

CHARLES S. MINOT, S.D., *Professor of Histology and Human Embryology.*

HAROLD C. ERNST, M.D., *Professor of Bacteriology.*

HENRY F. LEONARD, M.D., M.D.V., *Instructor in Anatomy.*

THEOBALD SMITH, PH.D., M.D., *Professor of Applied Zoölogy.*

KENELM WINSLOW, B.A.S., M.D.V., M.D., *Assistant Professor of Veterinary Therapeutics.*

## OTHER INSTRUCTORS.

LESTER H. HOWARD, D.V.S., *Clinical Lecturer.*

WILLIAM O. UNDERWOOD, A.B., *Lecturer on Warranty and Evidence.*

LANGDON FROTHINGHAM, M.D.V., *Assistant in Pathology.*

JOHN L. AMES, M.D., *Assistant in Histology.*

FRANK I. PROCTOR, M.D., *Instructor in Ophthalmology.*

WESLEY L. LA BAW, D.V.S., *Demonstrator of Anatomy, Assistant Surgeon at the Hospital*, and *Curator of the Veterinary Museum.*

ALBERT JAMES SHELDON, D.V.S., *Instructor in Meat Inspection.*

GEORGE B. FOSS, M.D.V., *Resident Hospital Surgeon* and *Lecturer on Diseases of Dogs.*

FREDERICK S. DELUE, M.D., *Assistant in Histology.*

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## STUDENTS.

### Third Class.

| NAME. | RESIDENCE. |
|---|---|
| Armstrong, James Munroe, | *E. Providence, R. I.* |
| Brown, Henry Ernest, | *Littleton.* |
| Buckley, William, | *Somerville.* |
| Cormier, Louis Ralph, | *Charlestown.* |
| Fuller, Ernest Page, | *No. Andover.* |
| Gage, Fred Bryant, | *Portland.* |
| Hamblet, Clement Arthur, | *Lowell.* |
| Hays, Daniel Shefer, | *Waltham.* |
| Hill, Henry Nourse, | *Hyde Park,* |
| Lindenkohl, George Stephen, | *Washington, D.C.* |
| Nolte, Julian William, | *New Haven, Conn.* |
| Playdon, Calvert Howard, | *Andover.* |
| Thissell, Berton Amasa, | *Florence.* |

### Second Class.

| | |
|---|---|
| Babbitt, Frank Jerome, | *Lynn.* |
| Babson, Elmer Warren, | *Gloucester.* |
| Banks, Charles Brown, | *Lowell.* |
| Burchsted, Clarence Edward, | *Cambridge.* |
| Burgess, Howard Montgomery, | *Hyde Park.* |
| Cronon, Cornelius, | *Canton.* |
| Dolan, Frederick Thomas, | *Dorchester.* |
| Madden, Edward Ambrose, | *Watertown.* |
| May, Arthur Winthrop, | *Jamaica Plain.* |
| Murphy, William Henry, Jr., | *Brighton.* |
| Nagle, Luke Thomas, | *Brookline.* |
| Nannery, William Augustine, | *W. Roxbury.* |
| Perry, Charles Herbert, | *Worcester.* |
| Peterson, Ellis, Jr., | *Jamaica Plain.* |
| Shaughnessy, William Martin, | *Marlboro.* |
| Shinkwin, Thomas Joseph, | *Holyoke.* |
| Stratton, Frank Benjamin, | *Swampscott.* |
| Wallingford, Pell Fletcher, | *Waltham.* |
| Weeks, Lewis Cummings, | *Falmouth.* |
| White, Daniel George, | *Dorchester.* |
| White, William Tisdale, | *Allston.* |
| Wight, Alexander Eames, | *Medfield.* |

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### First Class.

| | |
|---|---|
| Adams, John Dresser, | *East Boston.* |
| Averell, Ernest Lincoln, | *Waltham.* |
| Balkam, Ralph Wilson, | *Hyde Park.* |
| Blakely, Chester Lawrence, | *Medford.* |
| Dennen, Joseph Horace, | *Somerville.* |
| Fetter, George Edgar, | *Hopewell, N. J.* |
| Flaherty, James Harry, | *Cambridge.* |
| Kellen, Frederick Spofford, | *Watertown.* |
| Loewe, Leonard Joseph, | *Boston.* |
| McNeil, Terrence Patrick, | *Roxbury.* |
| Muldoun, William John, | *Roxbury.* |
| Murphy, Daniel Stephen Joseph, | *Cork, Ire.* |
| Peirce, Lawrence Locke, | *Arlington Heights.* |
| Robinson, John William, | *Natick.* |
| Simpson, William Henry, | *Dorchester.* |
| Tuttle, Harry Albert, | *Hyde Park.* |

### Special Class.

| | |
|---|---|
| Lucas, Brainard Ephraim, | *Waltham.* |
| Osborn, John Henry, | *Littleton.* |
| Stone, Herbert Winslow, | *Newton Centre.* |
| Smith, Windsor Reed, | *W. Brookfield.* |

## SUMMARY.

| | |
|---|---|
| Third Class | 13 |
| Second Class | 22 |
| First Class | 16 |
| Special Class | 4 |
| Total | 55 |

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# THE SCHOOL OF VETERINARY MEDICINE.

## DIVISION OF STUDIES.

*For the First Year.* — Anatomy, Physiology, General Chemistry, Botany, Practical Anatomy, Form and Action, Hygiene, Histology, Medical Chemistry, and Bacteriology.

*For the Second Year.* — Advanced Anatomy, Clinical Chemistry, Materia Medica, Comparative Pathology, Surgical Pathology, Theory and Practice of Veterinary Medicine, Clinical Medicine, Clinical Surgery, Practical Anatomy, and Pathological Histology.

*For the Third Year.* — Warranty and Evidence, Veterinary Therapeutics, Obstetrics, Theory and Practice of Veterinary Medicine, and Equine Pathology, Bovine Pathology, Canine Pathology, Operative Veterinary Surgery, Ophthalmology, Parasites and Parasitic Diseases, Clinical Medicine, Clinical Surgery, Meat Inspection, and Etiology and Hygiene of the infectious diseases of the Domestic Animals.

## METHODS OF INSTRUCTION.

The following methods of instruction are adopted in the several departments: —

*Anatomy.* — The instruction will embrace the *general laws* of anatomy, *typical* anatomy, taking the horse as a type, *comparative* anatomy of the other domesticated animals, and *practical* anatomy, abundant opportunity being offered for dissections under the oversight of the Instructor assisted by the Demonstrator. Histology and the use of the microscope will be taught by Laboratory exercises under the direction of the Instructor.

*Physiology.* — Lectures, recitations, conferences, and practical demonstrations in the Laboratory. To students of the second and third years opportunities will be given for original investigations in the Physiological Laboratory.

*Chemistry* will be taught mainly by practical work in the Laboratory, the student having his own desk and apparatus. In the second half of the first year Medical Chemistry is taught by lectures, recitations, and exercises in the Laboratory, where each student will be taught the chemistry and microscopy of the urine and the tests for the important poisons.

During the second year the instruction will be chiefly clinical in character, the student being taught the diagnosis of kidney and other diseases

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by examination of the urine, and clinical toxicology. Instruction will also be given in the examination of blood and other stains and of pathological concretions and fluids.

*Comparative Pathological Anatomy* will be taught by lectures, recitations, and practical instruction in pathological histology of the domesticated animal. The collections of the various Museums will be used to illustrate the lectures, and morbid specimens will be shown in a fresh state. Students will also receive practical instruction in the method of making autopsies. Pathological histology, including the diagnosis of tumors, will be taught in Laboratory exercises; students will be required to prepare the various objects.

*Botany* will be taught by lectures and practical exercises in the Laboratory. Typical examples of the various classes of plants are selected with regard to their Anatomy, Physiology, and Development. Particular attention will be given to the more common Forage Plants, and to the indigenous Poisonous Plants.

*Materia Medica*, including *Pharmacy*, will be taught by lectures and practical demonstrations.

*Lectures on Warranty and Evidence* will be given once a week during the first half of the third year, and consist of practical talks upon the law of sales and warranty. Also a general discussion of the rules of evidence, with practical suggestions on expert testimony, and the conduct of witnesses in court.

*Veterinary Therapeutics*, or the physiological action of drugs and their application to the diseases of animals will be taught in the third year by lectures, recitations, and clinical exercises, at which the students will recommend treatment and write prescriptions for the patients submitted to them.

*The Theory and Practice of Veterinary Medicine* will be taught in the second and third years by lectures, recitations, hospital visits, and outdoor practice. This will include a careful consideration of the pathology of the diseases to which horses are subject, their causes, recognition and treatment, as well as of the diagnosis and treatment of lameness.

*Instruction in Cattle Practice* will be given once a week during the third year. The course will embrace a discussion of the causes, pathology, prevention, and treatment, of the contagious and non-contagious diseases of neat cattle, supplemented by a consideration of the comparative values of various food materials.

*Meat Inspection.* — Instruction in this subject will consist of practical exercises at the Abattoirs; the appearances of healthy and diseased meat; and, incidentally, the causes leading up to them.

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*Clinical Medicine.* — Daily instruction will be given in this department by visits to sick animals and other exercises by Drs. Osgood, Howard, Leonard, LaBaw, Foss, and Sheldon. The great resources of the School, in its Hospital Wards, together with this unusually large clinical staff, and systematically planned clinical work, offers to students an opportunity for gaining *practical* knowledge of the disorders of animals, which, it is believed, is not approached elsewhere in this country. They will be furnished with cases for personal examination, and will be called upon to report them before the class, where the reports will be criticised. A regular course of supplementary instruction will be given in Auscultation and Percussion, which will afford students an abundant opportunity for acquiring a thoroughly practical knowledge of these valuable methods of aiding diagnosis.

*Surgery.* — Lectures and recitations. There will also be courses on Surgical Histology, Bandaging, the Application of Surgical Apparatus, and Operative Surgery. Regular days are set apart for operations at the Veterinary Hospital. Students are also expected to attend the operations at the City and Massachusetts General Hospitals, and in the third year will have opportunity of performing various operations upon the living subject, under the direction of the Instructor, and before the class.

*Obstetrics.* — Lectures. Students will be instructed in the methods of performing necessary operations.

*Ophthalmology.* — A course of lectures, with practical exercises, will be delivered upon the diseases of the eye in the domestic animals, and instruction will be given in the use of the ophthalmoscope.

*Parasites and Parasitic Diseases.* — A special course of lectures and clinical instruction will be given in this subject.

*Embryology.* — A course of lectures will be given during the first year.

*Bacteriology.* — A course of lectures will be given during a portion of the first year.

## TEXT-BOOKS.

The following works are recommended as text-books, and for consultation: —

*Anatomy.* Strangeway's Veterinary Anatomy, Vaughan. Chaveau's Comparative Anatomy, Fleming. Anatomy of the Horse, a Dissection Guide, McFadyean.

*Physiology.* Foster's Text-book of Physiology. Martin, The Human Body. Kirke's Handbook of Physiology. Yeo's Manual of Physiology. Mill's Comparative Physiology. Fred Smith's Comparative Physiology.

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*General Chemistry.* Whitthaus' Medical Student's Manual of Chemistry. Miller's, Roscoe and Schorlemma's, or Fowne's Chemistry. Douglas and Prescott's, or Fresenius' Qualitative Analysis.

*Hygiene.* Smith's Veterinary Hygiene.

*Medical Chemistry.* Neubauer and Vogel, Analysis of the Urine. Tyson's Guide to Practical Examination of the Urine. Ultzmann and Hoffman's Atlas der Harnsedimente. Hoppe-Seyler's Physiologische Chemie. Taylor on Poisons. Wormley's Micro-Chemistry of Poisons.

*Botany.* Gray's Text-book.

*Materia Medica.* Veterinary Medicines, Their Action and Uses, Finlay Dun. Morton's Manual of Pharmacy for the Veterinary Student. United States Pharmacopoeia.

*Pathological Anatomy.* Ziegler's Pathological Anatomy and Pathogenesis. Orth's Compend of Diagnosis in Pathological Anatomy. Friedlaender's Use of the Microscope in Clinical and Pathological Examinations. Coat's Manual of Pathology. Cohnheim's Lectures on General Pathology.

*Therapeutics.* H. C. Wood's Therapeutics. Ringer's Therapeutics.

*Obstetrics.* Fleming's Veterinary Obstetrics.

*Theory and Practice.* The Principles and Practice of Veterinary Medicine, Williams. The Principles and Practice of Veterinary Surgery, Williams. Equine Medicine, Robertson. Percival's Hippopathology. A Manual of Bovine Pathology, Steele. The Dog in Health and Disease, Mills. Friedberger and Fröhner's Pathology and Therapeutics of the Domestic Animals. W. L. Zeúll.

*Surgery.* Billroth's Surgical Pathology. Text-book of Operative Veterinary Surgery, Fleming. Précis de Chirurgie Vétérinaire, Peuch et Toussaint. Handbuch der Thierärztlichen Operationslehre, Herring. Manual of Operative Veterinary Surgery, Liautard.

## COURSES OF INSTRUCTION.

### Anatomy.

Descriptive Anatomy. *Three times a week.* Dr. LEONARD.

Practical Anatomy, with Exercises in Dissection. *Daily. Nov. till May.* Drs. LEONARD and LA BAW.

Form and Action of the Horse. Professor LYMAN.

Laboratory Exercises in Histology. *Twice a week.* Drs. AMES and DE LUE.

### Physiology.

Systematic and Experimental Physiology. *Four times a week.* Professor BOWDITCH.

Laboratory Exercises in Experimental Physiology.

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### Chemistry.

Descriptive and Analytical Chemistry. *Three times a week.* Professor HILLS.

Medical and Toxicological Chemistry. *Twice a week.* Professor WOOD.

Practical Exercises in the Laboratory for Analytical Chemistry. *Eight hours a week.* Professor HILLS.

Practical Exercises in the Laboratory for Medical Chemistry. *Daily.* Professors WOOD and HILLS and ——.

### Botany.

Botany. *Twice a week in the second half-year*, with Laboratory and Field work. Assistant Professor WINSLOW.

### Materia Medica and Therapeutics.

Materia Medica. with Practical Demonstrations. *Twice a week.* Assistant Professor WINSLOW. — Practical Pharmacy. *Daily.* Demonstrators.

Veterinary Therapeutics. *Twice a week.* Assistant Professor WINSLOW.

### Pathology and Pathological Anatomy.

Comparative Pathological Anatomy. *Twice a week.* Professor WHITNEY.

Special Pathology with Demonstrations and Laboratory Exercises in Pathological Histology. *Twice a week.* Dr. FROTHINGHAM.

Equine Pathology. *Three times a week.* Professor LYMAN.

Bovine Pathology. *Once a week.* Professor OSGOOD.

Inspection of Meat. *Once a week.* Dr. SHELDON.

Practical Instruction in performing Autopsies. Professor OSGOOD; Drs. LEONARD, LA BAW, FOSS and SHELDON.

### Surgery.

Operative Veterinary Surgery, Lectures and Practical Exercises. Professor OSGOOD.

Lectures in Surgery. *Once a week.* Professor WARREN.

Surgical Pathology. *Twice a week.* Professor WARREN.

The Application of Bandages and Apparatus. *Daily.* Professor OSGOOD and Dr. LA BAW.

### Ophthalmology.

Diseases and Injuries of the Eye. Lectures and Practical Exercises. *Once a week.* Dr. PROCTOR.

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### Parasitic Diseases.

Parasites and Parasitic Diseases. *Once a week.* Professor WHITNEY.

### Theory and Practice.

Theory and Practice of Equine Medicine. *Three times a week.* Professor LYMAN.

Bovine Pathology. *Once a week.* Professor OSGOOD.

The Etiology and Hygiene of the infectious diseases of the Domestic Animals. *Once a week.* Professor SMITH.

### Obstetrics.

Theory and Practice of Veterinary Obstetrics. *Once a week in second half-year.* Professor LYMAN.

### Warranty and Evidence.

Warranty and Evidence. *Once a week.* Mr. UNDERWOOD.

### Meat Inspection.

Meat Inspection. *Once a week.* Dr. SHELDON.

### Clinical Veterinary Medicine and Surgery.

Clinical Veterinary Medicine and Surgery. *Daily.* Professor OSGOOD; Drs. HOWARD, WINSLOW, LEONARD, LA BAW, FOSS, and SHELDON.

## VETERINARY ESTABLISHMENT.

A fully equipped veterinary establishment has been provided, which with its other facilities makes this School one of large resources for students who wish to become thoroughly practical, as well as scientific, veterinarians.

*Hospital.* — The hospital building, situated at the corner of Village and Lucas Streets in the city proper, offers every advantage for the observation and treatment of sick animals. It is a substantial structure of brick, three stories high, and has been designed and built especially for its uses. Upon the first floor are the office, a large operating-room lighted from above, five commodious box stalls (one of which is arranged for the reception of violent cases) and six ordinary stalls. On the second floor are twelve boxes and stalls of various dimensions, a room for dogs containing about twenty kennels, a pharmacy, and an instrument room. The third story contains, besides the necessary lofts and work rooms, apartments for the assistant surgeon and house surgeons. In the basement there is a shoeing forge and a boiler room. Hot and cold water,

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steam heat, and gas are supplied throughout the building, and all pains have been taken to make the drainage and ventilation satisfactory.

Adjoining the Hospital and connected with it, is another brick building, erected solely for the purposes of the School. This contains, on the lower floor, which is devoted to Hospital uses, boxes and stalls for ten horses. Upon the second floor is the lecture-room, in which a separate desk is provided for each student, and the seats rise each higher than the one before it. From this room a door communicates with the Hospital through which horses, or other animals, are introduced for purposes of illustration. Upon the third floor in front is the dissecting-room, two stories in height, lighted from above, with an asphalt floor, and heavily painted brick walls, making a room which is at once light, well ventilated, and dry. In the rear is a students' reading-room comfortably furnished, the walls being lined with book-cases which are intended to accommodate the library, to which the members of all the classes have access. Above this on the fourth floor is a room properly fitted with glass cases for the Museum, and beside it a comfortable room for the house surgeons. The whole building is heated by steam.

*Free Clinic.* — In addition to the building devoted to hospital and school purposes, the School has a large building 100 by 60 ft., located on Northampton St., between Tremont St. and Columbus Ave., used exclusively for the purposes of a free clinic.

This building has accommodations for some 50 horses, has a run under cover 100 feet in length, operating rooms, forge, commodious box stalls for patients brought in from the street which are unable to stand, so arranged that the ambulance can back directly into them, to unload, without jarring the animal or otherwise inconveniencing him. This building is devoted entirely to the treatment of animals of the poor, thus affording to the students extended opportunities for clinical instruction and work.

*Forge.* — The forge is used for the shoeing of both sound and lame horses. The theory of orthopoedic shoeing will be taught as well as that of shoeing sound animals. It will be possible also for those students who desire it, to procure a course in practical horse-shoeing.

*Museum.* — Besides the rich collection at the Warren Museum, to which the students have access, the School has a valuable collection of its own, which has been added to by gifts of anatomical and pathological objects from friends, both within and without the profession.

*Methods of Instruction.* — In all departments cases will be placed under the care of the senior students, who will be expected to act in regular order as visitors and dressers, to keep a full record of all work done, and report the same to the class for criticism. In the same way it is expected that stu-

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dents will do the work of mixing and dispensing medicines in the pharmacy, that they may thus become thoroughly competent veterinary pharmacists.

A thorough drill will be given at the hospital in the various methods of restraining animals during operation, in the application of bandages, and the administration of medicines, as well as in the common methods of approaching and handling animals.

Practice in the examination of horses for soundness will be given frequently during the last two years of the course, and students will be required to write certificates of such examinations and to present them before the class for criticism.

Autopsies will be made on all patients that die at the hospital, and on any cadavers that may be sent for examination.

## EXAMINATIONS.

The regular examinations will be held in the following order: —

*At the End of the First Year.* — Anatomy, Physiology, General Chemistry, Botany, Histology, and Form and Action.

*End of Second Year.* — Advanced Anatomy, Medical Chemistry, Materia Medica and Pharmacy, Pathological Anatomy, and Pathological Histology.

*End of Third Year.* — Veterinary Therapeutics, Obstetrics, Theory and Practice of Veterinary Medicine, Bovine Pathology, Surgical Pathology, Veterinary Surgery, Ophthalmology, Parasitic Diseases, Meat Inspection, and practical examinations.

The regular examinations will be held at Christmas and in June, and a week before the opening of the School in September on the studies of the preceding year. The practical examination will be given but once in each year.

No student will be allowed to anticipate the examinations in the regular course of studies of his year, except by special permission of the Faculty. No student will be allowed to present himself for examination, in any branch of study, *without notifying the Secretary, in writing*, that he intends to do so, one month before the time when the examination is to be held.

The examinations will be conducted by means of practical exercises, orally, and in writing. No student will receive his degree until he has passed a satisfactory examination in all the subjects of the three years' course, and has presented a certificate from the Demonstrator in Anatomy that he has satisfactorily dissected one or more entire bodies. Those who fail in any subject may present themselves in that subject again, at the next regular examination.

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## DIVISION OF STUDENTS.

Students will be divided into three classes, according to their time of study and proficiency. Those who began their professional studies elsewhere may be admitted to advanced standing, but all persons who apply for admission to the advanced classes must pass an examination in the branches already pursued by the class to which they seek admission.

No student may advance with his class, until he has passed the required examinations in the studies of the previous year, or a majority of them; and no student shall be registered as a member of the third class until he has passed all of the examinations of the first, and a majority of those of the second year; and none but registered members of the third class shall be allowed to participate in the Hospital work.

In order that the time of study shall count as a full year, students must present themselves within the first week of the school year and register their names with the Secretary.

Special Students will be admitted to the School at any time under conditions which may be ascertained by application to the Dean.

## INSTRUCTION IN OTHER DEPARTMENTS OF THE UNIVERSITY.

Members of any one department of Harvard University have a right to attend lectures and recitations in any other department, without paying additional fees; but this provision does not apply to Special Students unless they pay the full fee of $150. Students in the School of Veterinary Medicine who wish to avail themselves of this opportunity of pursuing scientific or other studies may do so to such extent and in such manner as the Faculty of the School shall in each case prescribe.

## LIBRARIES.

The Library of the School of Veterinary Medicine is open to the student, on the deposit of five dollars, to be refunded to him when he may desire, after returning all books.

The College Library at Cambridge is open to the students of the School of Veterinary Medicine.

The Boston Public Library, which contains a large collection of Medical and Veterinary books, is open to students who are inhabitants of Boston. Students who are not inhabitants of Boston, who have filed bonds at the Treasurer's office, or deposited with the Treasurer the sum of fifty dollars, may also use this Library.

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## ADMISSION.

All candidates for admission, excepting those who can produce certificates proving that they have passed the admission examination at some recognized college or scientific school, must pass an examination in the following subjects: —

ENGLISH. 1. Each applicant will be required to read aloud a selected passage from ordinary English prose.

2. To write legibly and correctly an English composition of not less than two hundred words.

3. To write English prose from dictation.

4. ARITHMETIC. The simple and compound rules of Arithmetic including decimal fractions.

5. OPTIONAL SUBJECTS. Each candidate for admission must pass an examination in *one* of the following subjects: Latin, French, German (the translation of easy prose), the elements of Algebra, Plane Geometry, or Zoölogy.*

Candidates who pass a satisfactory examination in a majority of the subjects will be admitted conditionally, but will not be allowed to graduate until such conditions have been made up.

In 1896, the examinations for admission will be held at the class-room on Village St., on Thursday, June 25, and on Tuesday, September 29, beginning at 10 A.M.; examinations for admission will ALSO be held at the following places, beginning at 8 A.M. on Thursday, June 25: —

In *Quincy*, in the rooms of the Adams Academy.

In *Andover*, in the rooms of the Phillips Academy.

In *Groton*, in the rooms of the Groton School.

In *Southborough*, in the rooms of St. Mark's School.

In *Worcester*, in Curtis Hall, the Young Men's Christian Association building, Elm Street.

In *Exeter, N. H.*, in the rooms of Phillips Exeter Academy.

In *Concord, N. H.*, in the rooms of St. Paul's School.

In *Portland, Me.*, in the rooms of the Portland High School.

In *Lakeville, Conn.*, in the rooms of the Hotchkiss School.

In *New York, N. Y.*, in the lecture-room of the Young Men's Christian Association, 23d Street, corner of Fourth Avenue.

In *Garden City, N. Y.*, in the rooms of St. Paul's Cathedral School.

* Young men who intend to study Veterinary Medicine are advised to pay special attention to the study of Natural History, Chemistry, Physics, and the French and German languages, while in school or college.

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In *Albany, N. Y.*, in rooms of the Young Men's Christian Association.

In *Buffalo, N. Y.*, in the High School building, corner of Court and Franklin Streets.

In *Lawrenceville, N. J.*, in the rooms of the Lawrenceville School.

In *Philadelphia, Pa.*, in the rooms of the Young Men's Christian Association building, corner of 15th and Chestnut Streets.

In *Washington, D. C.*, in rooms of the Young Men's Christian Association.

In *Cleveland, O.*, in the Central High School building.

In *Cincinnati, O.*, in the rooms of the Law School, College Building, Walnut Street.

In *Chicago, Ill.*, in rooms of the Chicago Athenæum, Van Buren Street.

In *Minneapolis, Minn.*, in Lecture-room of the Public Library building.

In *St. Louis, Mo.*, in the Board of Education building, corner of Ninth and Locust Streets.

In *Omaha, Neb.*, in the rooms of the Young Men's Christian Association.

In *Denver, Col.*, in rooms of the Denver High School (District No. 1), corner of Nineteenth and Stout Streets.

In *San Francisco, Cal.*, in the rooms of the Mechanics' Institute, 31 Post Street.

In *Belmont, Cal.*, in the rooms of the Belmont School.

In *Portland, Oregon.*

In *Bonn, Germany*, at the Hotel Kley.

In *Tokyo, Japan.*

## REQUIREMENTS FOR THE DEGREE OF DOCTOR OF VETERINARY MEDICINE.

Every candidate must be twenty-one years of age, and of good moral character; must give evidence of having studied medicine three full years; have spent at least one continuous year at this School; have presented a satisfactory thesis; and have passed the required examinations.

## PECUNIARY AID.

* Two scholarships, of the annual value of one hundred and fifty dollars each, will be hereafter awarded to meritorious students standing in need of such assistance, who have been in the School one full year at least. The award will be made by the Corporation, on the recommendation of the Faculty, at the beginning of each academic year. One third of the annual value of the scholarships is paid on the 12th of January, one third on the 12th of April, and one third immediately after the issue of the June term-bill. Applications for these scholarships must be made in writing,

* This will not apply to students who entered the Veterinary School prior to September, 1895.

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to the Dean, by the first of June. In making the award a preference will be given to members of the third-year class; and no scholarship will be granted to a member of the second-year class unless he intends to remain in the School until he completes the course.

## FEES AND EXPENSES.

The tuition-fee is one hundred and fifty dollars a year (if in two payments, at the first ninety dollars, at the second sixty dollars). There are no charges for either matriculation or graduation in this School; and the cost of the entire instruction given is included in the above amount. There will, however, be a small charge for breakage of apparatus, etc., in the chemical laboratory, generally amounting to five or six dollars; and another for dissecting material.* Of students who do not pay in advance, a bond for $300, executed by two sufficient bondsmen, one of whom must be a citizen of the United States, is required. No officer or student in the University will be accepted as bondsman. A copy of such bond will be sent, on application to the Treasurer of Harvard College.† To students depositing bonds, term bills will be presented one week before the end of the first term, to be paid within two weeks; and also one week or more before Commencement, to be paid on or before the beginning of the next academic year. Such students will be held responsible for the payment of fees until they have notified the Dean of their intention to withdraw from the School and have subsequently received their bond from the Treasurer. Whenever a student is obliged to withdraw from the School before the last four weeks of a half-year for no misdemeanor, but for good and sufficient reason, to be determined in all cases by the Faculty, it shall be recommended that he be entitled to a remission of three-fourths of the amount due for that portion of the time during which he receives no instruction — this remission to date from the reception by the Dean of a written notice of the student's withdrawal from the School. No degree can be conferred till all dues to the school are discharged. The student's general expenses may be made to conform, in accordance with his means, to the standards which prevail in other cities.

For further information or catalogues, address Professor F. H. Osgood, *Acting Dean*, 50 Village St., Boston, Mass.

* This will not apply to students who entered the Veterinary School prior to January 1st, 1895.

† The Treasurer's office is at 50 State Street, Boston.

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# THE BUSSEY INSTITUTION,

## JAMAICA PLAIN, MASSACHUSETTS.

## A SCHOOL OF AGRICULTURE AND HORTICULTURE.

### INSTRUCTORS.

EDMUND HERSEY, *Instructor in Farming* and *Superintendent of the Bussey Farm.*

FRANCIS H. STORER, S.B., A.M., *Dean*, and *Professor of Agricultural Chemistry.*

BENJAMIN M. WATSON, Jr., A.B., *Instructor in Horticulture.*

THEOBALD SMITH, Ph.B., M.D., *Professor of Applied Zoölogy.*

JOSEPH M. TILDEN, S.B., *Assistant in Chemistry.*

JAMES REVERDY STEWART, *Assistant in Applied Zoölogy.*

CHARLES S. SARGENT, A.B., *Director of the Arnold Arboretum.*

### STUDENTS.

| NAME. | RESIDENCE. | PRESENT ADDRESS. |
|---|---|---|
| Adams, Henry Saxton, | *Dorchester*, | 2 Gleason St.* |
| Blake, George Baty, A.B. 1893, | *Boston*, | 37 Beacon St.* |
| Boardman, Samuel May, | *Mattapan*, | Mattapan. |
| Dodge, Ralph Mortimer, | *Lawrence*, | Bussey Institution. |
| Hamilton, Robert Whitman, | *Saco, Me.* | 611 Tremont St.* |
| Kreppel, Henry Ernest, | *Jamaica Plain*, | 15 Burr St.* |
| Lewis, Kenneth Hastings, | *Boston*, | Clavery 44, Cambridge. |
| Luard, Charles Bourryau, | *London, Ont.* | 98 Chestnut St.* |
| Morse, Elisha Wilson, | *New Boston, N. H.* | 35 Boynton St.* |
| Nazro, Wm. Edward Coffin, | *Dorchester*, | W. 38, Cambridge. |
| Sampson, Harry Dean, | *Greenbush*, | Bussey Institution. |
| Stearns, Louis Carmel, | *Mansfield*, | Mansfield. |
| Walker, Arthur William, | *Yarmouth, Me.* | Bussey Institution. |
| Walker, Ernest Linwood, | *Yarmouth, Me.* | Bussey Institution. |
| Wheeler, Wilfred, | *Concord*, | Concord. |

* Addresses followed by an asterisk (*) are in Boston; the others are as stated.

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# THE BUSSEY INSTITUTION.

The School of Agriculture and Horticulture, established in execution of the Trusts created by the will of Benjamin Bussey, gives systematic instruction in Agriculture, and in Useful and Ornamental Gardening. It is specially adapted for the instruction of young men who have been brought up as practical farmers or gardeners, and who intend to follow one or other of these callings, and of those, fond of country life, who are specially interested in the care and maintenance of estates.

It is, in general, meant for young men who intend to become farmers, gardeners, florists, or landscape gardeners; as well as for those who will naturally be called upon to manage large estates, or who wish to qualify themselves to be overseers or superintendents of farms, country seats, or public institutions. It also meets the needs of students who wish to pursue some special branch of agriculture, horticulture, or bacteriology.

The Bussey Institution is situated near the village of Jamaica Plain, about five miles southwest of the centre of Boston, and close to the Forest Hills station on the Boston and Providence Railroad. It is far enough removed from the other departments of the University to preserve the spirit and atmosphere proper to a School of Agriculture, and to insure to its students mental independence and opportunity to devote themselves wholly to their chosen studies; while, on the other hand, it is near enough to Cambridge and Boston to permit the use of the College Library and of the rich scientific collections of the University, and to enable the student, if he please, to attend a great variety of collateral courses of instruction. Students may live either in the immediate vicinity of the School, or in Boston proper, or in some one of the neighboring villages upon the line of the railroad.

The academic year begins on the Thursday following the last Wednesday in September, and ends on the last Wednesday in June, with a recess from December 23d to January 2d, inclusive, and a spring recess of one week, viz: April 19–25 inclusive.

## INSTRUCTION.

*Theory and Practice of Farming* . . . . . Mr. Hersey.

Selection of farms for special purposes. Soils best adapted to different crops. Location of farm buildings. Clearing land of rocks and stumps. Building of farm roads. Preparation and management of cranberry bogs. Selection of stock for farm purposes, with directions for breeding the

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same. Breeding and care of poultry. Construction of poultry houses. How to compost manures and to save those waste materials of the farm which contain plant food. How to buy, mix and apply commercial fertilizers. Preparation of the soil for different crops. Cultivation, harvesting, and marketing of crops.

*Horticulture* . . . . . Mr. WATSON.

Preparation of soils for horticultural and floricultural purposes. Management of plants, including methods of propagation. Horticultural implements. Methods of obtaining new varieties of vegetables, fruits, and flowers. Arrangement and care of flower-gardens and kitchen-gardens, nurseries, and orchards. The construction and care of hotbeds and greenhouses. Principles of landscape gardening. Values of trees and shrubs for ornamental purposes. Practical greenhouse work by the student supplements the lectures.

Students interested in tree culture have the opportunity of seeing the raising of trees in great variety for the Arnold Arboretum, on grounds adjacent to the School.

*Agricultural Chemistry* . . . . . Professor STORER.

Soil, air, and water in their relations to the plant. The food of plants; — manures, general and special. Chemical principles of tillage, irrigation, systems of rotation, and of special crops and farms. The food of animals; simple and mixed rations. Discussion of the values of different kinds of fodders, of the means of determining fodder values, and of the methods of using fodders to the best advantage.

Laboratory instruction in chemical analysis will be given to those students who wish for it.

*Rural Hygiene* . . . . . Professor SMITH.

Professor THEOBALD SMITH will give a course of lectures at the Bussey Institution on Rural Hygiene on Thursdays at 4 P.M., beginning April 3, and continuing through April and May. These lectures will be open to students of the University without fee, and to the public on payment of three dollars. The main subjects will be drinking water and sewerage in the country, heating and ventilation in country houses, the dairy in its relation to public health, the relation of animal diseases to those of man, and the prevention of infectious diseases.

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Instruction is given by lectures and recitations, and by practical exercises in the laboratories, greenhouses, and fields; every student being taught to make experiments, study specimens, and observe for himself. The aim of the teachers is to give the student a just idea of the principles upon which

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the arts of agriculture and horticulture depend; to teach him how to make intelligent use of the scientific literature which relates to these arts; and to enable him to put a proper estimate upon those kinds of evidence which are obtained by experiments and by the observation of natural objects. Examinations are held statedly to test the student's proficiency.

The courses above described are given in one year, so that they may be profitably pursued by young men of ability and judgment who cannot afford to spare much time for advanced study.

The regular exercises of the School are supplemented by excursions for studying farms, animals, and dairies. Opportunity is found in this way to discuss the methods of managing milk-farms and poultry-farms and to inspect recent improvements in the construction of farm buildings and of buildings used for the preservation of meat, apples, pears, cranberries, and other fruits.

In addition to their strictly professional studies, students of the Bussey Institution are recommended to pursue some of the courses on Surveying, on Botany and Geology which are given at Cambridge. These courses, together with those upon the Principles of Delineation, Color and Design, and upon Architecture, will naturally be taken by students of landscape gardening. There are, moreover, various courses given in other departments of the University, either at Cambridge or in Boston, upon Anatomy, Zoölogy, Physics, Physiology, Pathology, Political Economy, Mechanics and Engineering, which are particularly suitable for agricultural students.

The Farm connected with the School is devoted primarily to the production of hay, which is consumed upon the farm by horses taken to board. Members of the School have constant opportunity, to observe the methods of procedure by which the fertility of the fields is kept up. The Instructor in Agriculture explains the structure and operation of improved implements for preparing land for the growth of crops and for harvesting all kinds of farm products, and special efforts are made to teach the student how to select tools and machines which are properly constructed and best adapted to do the desired work.

## OTHER OPPORTUNITIES FOR INSTRUCTION.

The stated instruction in Agricultural and Horticultural Science, as described above, is given at the Bussey Institution, at Jamaica Plain, by teachers specially attached to this institution. But, beside these regular courses, there are many other opportunities for instruction of which young men who are strong enough to bear extra study may freely avail themselves. Students of the Bussey Institution, in full regular standing, are admitted free to any or all the courses of instruction (about four hundred in number) in the other departments of the Uni-

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versity, with the exception of exercises carried on in the special laboratories. In addition to the instruction given by the University, beginners whose previous opportunities have been limited may occupy the evening hours by studying at the free evening High, and Drawing Schools of the City of Boston, which offer a number of useful and interesting courses. The instruction given by these schools is free to persons residing in Jamaica Plain or anywhere within the limits of the city. Free evening lectures upon scientific and other subjects of interest to agricultural students are often given both in Boston and Cambridge. The Massachusetts Horticultural Society holds frequent exhibitions of fruit and flowers; and there are several associations in Boston for the exhibition and discussion of mechanical novelties. Large agricultural warehouses, cattle markets, and abattoirs are all readily accessible, and afford ample opportunity for the observation and comparison of tools and stock. A great variety of greenhouses, and of gardens for the cultivation of fruit, flowers, and vegetables, as well as farms of several different kinds, and estates which illustrate practical landscape gardening, are situated within easy reach of the School and may be visited for purposes of study.

Young men who wish to obtain work upon farms during the summer vacation can do so without difficulty.

## LIBRARIES.

Students may freely use the special Agricultural Library at the Bussey Institution; the College Library at Cambridge; and the Boston Public Library, which has a branch and office for the delivery of books in Jamaica Plain not far from the Bussey Institution.

## REQUIREMENTS FOR ADMISSION AND GRADUATION.

Candidates for admission must be at least seventeen years of age, and must present testimonials of good moral character. No formal examination will be required of them, but each student must satisfy the Instructors of his ability and of his intention to profit by the teachings of the School.

Young men who wish to prepare themselves to pursue the foregoing courses of instruction to the fullest advantage can pass one year at the Lawrence Scientific School in Cambridge, which provides elementary courses of instruction in Chemistry, Botany, Physics, Mathematics, Biology, Physical Geography, Geology, Meteorology, Drawing, French, and German.*

* In order to pursue these studies at the Scientific School with advantage the student should come prepared in Arithmetic, Algebra as far as Quadratic Equations, elementary Plane Geometry, and English Composition. The ability to translate French, German, and Latin will be of advantage to him.

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Candidates for the degree of Bachelor of Agricultural Science, on completion of the stated courses at the Bussey Institution, as above described, and of the special studies at the Lawrence Scientific School, or their equivalent, must devote a year to advanced study at the University, and to practical research in Agriculture or Horticulture, or in Botany, Biology, or Chemistry as applied to those arts, and must satisfy the Instructors, by passing examinations, that they have acquired a thorough knowledge of the subjects in which they present themselves.

Candidates for a degree are expected to pursue at the Bussey Institution with equal diligence all the subjects taught there, which may bear immediately on the vocation which they have in view, while the advanced studies of the final year may be varied, at the discretion of the Instructors, in accordance with the student's aims and purposes. Such students will be excused from taking one or more of the studies above specified on proving by examinations that they possess an equivalent amount of knowledge. Moreover, instead of devoting the whole of a preliminary year to continuous study at the Scientific School, it is not difficult for an earnest student to make up deficiencies at any time by studying at Cambridge during the hours when no stated exercises occur at the Bussey Institution. The Summer Schools also of Harvard College afford opportunities both for preparing to enter the Bussey Institution, and subsequently for making up deficiencies of preparation.

Students who are not candidates for a degree may, upon producing certificates of good moral character, join the School at any time, without examination, to pursue any special course or courses of instruction which they are qualified to pursue with advantage.

## BOND OR DEPOSIT.

Every student, when admitted, must give a bond in the sum of $200 to pay all charges accruing under the laws and customs of the University. The bond must be executed by two bondsmen, who must be satisfactory to the Treasurer (office No. 50 State St., Boston), and one of whom must be a citizen of the United States. Instead of filing a bond a student may pay his tuition fee for the year in advance and deposit such a sum of money, not exceeding $50, as may be deemed sufficient to secure the payment of other school dues. Special students will pay the tuition fees in advance at the Treasurer's office, or to Professor F. H. Storer, Dean, at the Bussey Institution.

## FEES AND EXPENSES.

The regular fee for the academic year is $150; for half or any less fraction of a year, $75; for any fraction of a year greater than one half, the fee for the whole year will be charged. The regular fee will be charged

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also to those special students who devote themselves to continuous laboratory work in a single department of the School.

The tuition fees will be freely remitted to intelligent, meritorious regular students who are too poor to pay them; and a limited number of such students will be boarded also free of cost in consideration of labor performed by them upon the farm, in the greenhouses, or about the buildings of the Institution.

The other expenses of a student for an academic year, not including clothing and washing, may be estimated as follows: —

| | | | |
|---|---|---|---|
| Room | $40.00 | to | $100.00 |
| Board for 38 weeks | 133.00 | to | 200.00 |
| Text Books and Instruments | 15.00 | to | 20.00 |
| Fuel and Lights | 15.00 | to | 25.00 |
| | $203.00 | to | $345.00 |

For further information, address Professor FRANCIS H. STORER, Jamaica Plain, Mass.

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# SUMMER COURSES OF INSTRUCTION.

During the summer of 1896 courses of instruction will be given as follows: —

English, five courses:
- Composition, two courses.
- Language and Literature, three courses.

German, two courses.
French, two courses.
General American History.
Education and Teaching.
Methods of teaching Geometry and Algebra.
Mathematics, three courses:
- Solid Geometry;
- Trigonometry;
- Plane Analytic Geometry.

Engineering, three courses:
- Draughting and Descriptive Geometry;
- Land Surveying;
- Railway Engineering.

Freehand Drawing.
Physics, two courses.
Chemistry, four courses.
- Fundamental Principles of Chemistry;
- Qualitative Analysis;
- Quantitative Analysis;
- Organic Chemistry.

Botany.
Geology, five courses:
- Elementary Geology;
- Geological field-work two courses;
- Physical Geography, two courses.

Physiology and Hygiene for Teachers.
Physical Training, two courses.
Courses at the Medical School.
Courses at the Dental School.

Women as well as men are admitted to these courses, except those in the Medical and Dental Schools, those in Engineering, and the two more advanced courses in Geology.

Circulars descriptive of these courses and other information may be obtained on application to *The Corresponding Secretary of Harvard University, Cambridge, Mass.*

In general these courses are adapted to the needs of those who intend to be teachers in the several subjects. Several of the more elementary, however, are intended to meet the needs of beginners and may be taken by students in lieu of the corresponding courses in the College and the Lawrence Scientific School, and may be counted towards a degree.

In addition to the above-mentioned courses, certain lectures on methods of instruction will be given by teachers in the several departments represented by the schools. These lectures will be open, without charge, to the persons who are enrolled as members of any of the summer schools in the University.

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During the session of the schools the College Library will be open from 9 A.M. till 5 P.M. The Museum of Comparative Zoölogy, the Peabody Museum, and the Mineralogical Museum are also accessible to students during the summer vacation.

In general the fees for the above-mentioned courses, except those in Chemistry, Engineering, Physical Training, and Elocution, are $20 for each course, payable, on entering, to the Bursar.

Board and lodging may be obtained in Cambridge during the summer vacation at a cost of from $5 to $10 per week.

## ENGLISH.

Five courses in English; two in Composition and three in Language and Literature, were given in the summer of 1895: (1) English *A*, corresponding in part to English *A* of the College course; (2) English *B*, corresponding in part to English 22 of the College course; (3) Anglo-Saxon; (4) Chaucer; (5) English Literature of the Eighteenth Century.

Similar courses will be given in the summer of 1896.

### ENGLISH *A*.

STUDENTS.

| | |
|---|---|
| Alden, Carolyn, | Metuchen, N. J. |
| Alden, Harriet, *Public School*, | Metuchen, N. J. |
| Beck, Louise P., *Teacher, High School*, | Dayton, O. |
| Brittingham, Cordelia, *Teacher of English, Miss Dana's School*, | Morristown, N. J. |
| Buckley, Daniel F., A.B. (*Boston Univ. Law School*), | North Easton. |
| Connor, Nellie G., *Teacher, Eliot School, So. Natick*, | Belmont. |
| Conwell, Samuel L., A.B. (*Lincoln Univ.*), *Instructor, State College*, | Dover, Del. |
| Crawford, Linda Walton, *Teacher*, | Philadelphia, Pa. |
| Davies, Hadgie B., A.B. (*Univ. of Arkansas*), *Teacher of Literature in Augusta Female Seminary, Staunton, Va.* | Fayetteville, Ark. |
| Dun, Katherine Thompson, | Columbus, O. |
| Foglesong, Hortense, | Dayton, O. |
| Goodhue, Isaac W., *Minister*, | Bryn Mawr, Pa. |
| Hoover, Jennie E., *Principal, High School*, | Hartford City, Ind. |
| Hunter, Mildred Lee, *Student*, | Bridgewater. |
| Kelley, Ellen E., *Assistant Principal, Grammar School*, | Canton. |

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Kleinschmidt, H. F. A., *Director, Manual Training School*, Taunton.
Leonard, Katharine Philomena, *Librarian*, Cambridge.
MacLauchlan, Margaret, *Teacher*, Metuchen, N. J.
Moore, Harris Winfield, *Student, Teacher's College, New York, N. Y.* Holden.
Morgan, Lucy Winifred, *Principal, Jackson School*, Dubuque, Ia.
Naylor, Mollie Constance, *Assistant Principal, Trenton High School, Trenton, Mo.* Centralia, Mo.
Powell, Lucy Lee, *Teacher, Virginia Female Institute*, Staunton, Va.
Riley, Elizabeth Angela, *Student, Tufts College Medical School*, Chelsea.
Segner, Marion, Waco, Texas.
Sheridan, Agnes Regina, *Principal, Fulton School*, Dubuque, Ia.
Sherman, Waldo Henry, *Educational Director*, New York, N. Y.
Taylor, Minnie L., *Teacher*, Summit, N. J.
Tillson, William D., *Teacher, Principal of Grammar School*, Mansfield.
Warren, Lucie Ransom, *Teacher of English and History, Mrs. Clark's Select School*, Nashville, Tenn.
Weeks, Adelaide, B.L. (*Waterville Class. Institute*), Jefferson, Me.
Wing, Alice May, *Student*, Melrose.
Whitaker, Elizabeth, *Teacher of History and English, High School*, Marshall, Mo.
Woolman, Georgie, *Teacher*, Woodstown, N. J.

### English *B*.

#### STUDENTS.

Barber, Lucretia J., *Instructor in English and Mathematics, Storrs Agricultural College*, Storrs, Conn.
Bartlett, Millie H., *Head of Department, Public School No. 75*, Brooklyn, N. Y.
Bennett, Charles Alpheus, B.S. (*Worcester Polytechnic Institute*), *Professor of Manual Training, Teacher's College*, New York, N. Y.
Borden, Roberta Kennon, *Professor of English, Galloway College*, Searcy, Ark.
Braley, Albert W., A.B. (*Iowa Coll.*), *Principal, Kellogg Public Schools*, Kellogg, Ia.
Brewer, Will F., A.B. (*Iowa Coll.*), *Instructor in English, Lake Forest Academy*, Lake Forest, Ind.
Brockway, Robert Ormiston, Brooklyn, N. Y.

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| | |
|---|---|
| Burrows, Emma, *Third Assistant*, | Roslindale. |
| Clarke, Lena Hartwell, | Jamestown, R. I. |
| Coe, Fanny E., *Second Assistant, Boston Normal School*, | Boston. |
| Crocker, Alfred Armstrong, *Student, University of Cincinnati*, | Cincinnati, O. |
| Ellett, J., *Teacher*, | Richmond, Va. |
| Fairfield, Ada Laura, *Teacher, Ely School*, | New York, N. Y. |
| Fay, Rose Helen, *Principal, West Orange School, West Orange, N. J.* | Long Branch, N. J. |
| Foos, Charles G., *Teacher of English Grammar, Boys' High School*, | Reading, Pa. |
| Graham, Sharon, *Student, McGill University*, | Montreal. |
| Gurney, Herbert Reed, A.B. (*Bowdoin Coll.*), *Instructor in English and Latin, Riverview Academy*, | Poughkeepsie, N.Y. |
| Hannah, Henry King, *Student, Episcopal Theological School, Cambridge*, | Boston. |
| Hiserodt, Theodore Henry, LL.B. (*Columbia Univ.*), *English Composition and Political Economy, Riverview Military Academy*, | Poughkeepsie, N.Y. |
| Howell, Ida V., *Teacher, First Assistant, Middletown Academy*, | Middletown, Del. |
| Johnson, William Lyman, *Student, Harvard University*, | So. Boston. |
| Joslin, Jennie M., *Teacher of Mathematics, High School, Peabody*, | So. Lyndeboro, N.H. |
| Lemann, Walter, *Student, Tulane University, La.* | New Orleans, La. |
| McCloskey, T. David, A.B. (*Geneva Coll.*), *Principal, Academic Department, Geneva College*, | Beaver Falls, Pa. |
| Marshall, Jessie A., PD.M. (*Univ. City of N. Y.*), *Teacher, Preparatory Department of Chappaqua Mountain Institute, Chappaqua, N. Y.* | Port Chester, N. Y. |
| Provan, Idalia, *Third Assistant, T. N. Hart School*, | Boston. |
| Putnam, Grace Louise, *Teacher, High School, Stafford Springs, Conn.* | Lexington. |
| Richards, Anna Bullard, *Teacher*, | Providence, R. I. |
| Sea, Eleanor Seymour, | Cleveland, O. |
| Sheridan, Stella Frances, *Teacher, Grammar School*, | Dubuque, Ia. |
| Stalker, Mary Grace, *Principal's Assistant, Elizabeth St. School*, | Worcester. |
| Steele, Caroline Lounsbury, B.L. (*Smith Coll.*), *Teacher of English, Miss Hill's School for Girls, Philadelphia, Pa.* | Middlebury, Vt. |

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Stevens, Junius Woods, PH.B. (*Syracuse Univ.*), *Teacher of Rhetoric, Wyoming Seminary*, Syracuse, N. Y.
Thompson, Mary Adaline, Exeter, N. H.

ANGLO-SAXON.

STUDENTS.

Adams, Lucy Maria, *Teacher of English, Miss Porter's School, Farmington, Conn.* Cambridge.
Ames, John Griffith, Jr., A.B. (*Johns Hopkins Univ.*), *Professor of English, Kenyon College, Gambier, O.* Washington, D. C.
Bailey, Elmer James, PH.B. (*Univ. of Rochester*), *Teacher of English, State Normal School, New Paltz, N. Y.* Rochester, N. Y.
Camp, Esther Louise, *Teacher of English, St. Katharine's Hall, Davenport, Ia.* Newtown, Conn.
Carman, A. B.,
Christenberry, Daniel Pinckney, A.M. (*Southern Univ.*), *Professor of English and History, Southern University*, Greensboro, Ala.
Helms, William Joseph, A.B. (*Trinity Coll., N. C.*), *Professor of English Language and Literature, Columbia Female College, President*, Columbia, S. C.
Hatton, Moses Wesley, *President, Ruston College*, Ruston, La.
Johnston, Henry, A.B. (*Univ. of New Brunswick*), *Student*, Cambridge.
Parker, Louisa P., *Teacher, English High School*, Cambridge.
Swett, Harry Preble, A.B. (*Amherst Coll.*), Gloucester.

CHAUCER.

STUDENTS.

Gade, John Allyne, *Student, Harvard University*, Christiania, Norway.
Krauss, Alice May, *Teacher of English, Lexington High School*, Malden.
Page, Lilias, *Teacher, Private School*, Boston.
Truitt, Robert Reinick, A.B. (*Univ. of Pa.*), A.B., A.M. (*Harvard Univ.*), *Graduate Student, Harvard University*, Philadelphia, Pa.

EIGHTEENTH CENTURY LITERATURE.

STUDENTS.

Adams, Mary I., *Assistant, West Roxbury High School*, Jamaica Plain.
Benson, L. M.,

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| | |
|---|---|
| Brandau, Elvira G., | Cambridge. |
| Clarke, Lena Hartwell, | Jamestown, R. I. |
| Davies, Hadgie B., A.B. (*Arkansas Univ.*), *Teacher of English Literature and Anglo-Saxon, Augusta Female Seminary, Staunton, Va.* | Fayetteville, Ark. |
| Foulke, Clara, | Philadelphia, Pa. |
| Fullerton, C. A., B.D., B.S. (*Iowa State Normal School*), *Superintendent of Schools, Manson, Ia.* | Rockford, Ia. |
| Goodhue, Isaac W., *Minister*, | Bryn Mawr, Pa. |
| Houghton, Jennie C., *First Assistant, Humboldt School, Kansas City, Mo.* | Cambridge. |
| Lang, Helen R., *Principal, Public School No. 39*, | Indianapolis, Ind. |
| Libby, Annette Weston, *Teacher, Second Assistant, Pennell Institute*, | Gray, Me. |
| Morris, Louise W., *Teacher, High School*, | Shreveport, La. |
| Murch, Marrietta S., *First Assistant, Mather School, Dorchester*, | Roxbury. |
| Provan, Idalia, *Third Assistant, T. N. Hart School*, | Boston. |
| Ruff, Elma E., *Teacher of Literature and History, Normal School, Greeley, Colo.* | Ruffsdale, Pa. |
| Simonds, Lilla Jane, A.B. (*Wellesley Coll.*), *Assistant, Woodstock High School, Woodstock, Vt.* | Cambridge. |

## GERMAN.

Two courses in German were given in the summer of 1895: one Elementary, the other Advanced.

Similar courses will be given in the summer of 1896.

### Elementary Course.

STUDENTS.

| | |
|---|---|
| Atkinson, Edward Ernest, A.M., D.B. (*Harvard Univ.*), *Student, Graduate School, Harvard University*, | Cambridge. |
| Caverly, Joseph L., A.M. (*Dartmouth Coll.*), *Submaster, Rice Training School, Boston*, | Newton. |
| Davis, Cora Genevieve, *Teacher, Public School No. 73*, | Brooklyn, N. Y. |
| Hernsheim, *Student, Harvard College*, | New Orleans. |
| Hitchcock, Mary Prescott, *Teacher, English High School*, | Somerville. |
| Knapp, Allen H., | Cambridge. |

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Lang, Eleanor Frances, *Teacher, Rice Training School, Boston*, Roxbury.
Leadbetter, Maud Gertrude, *Teacher, Chas. Sumner School, Boston*, Roslindale.
Massey, Louis Vaughn, A.B. (*Southern Univ.*), *Adjunct Professor of Modern Languages and Instructor in Classics, Southern University*, Greensboro, Ala.
Somerset, Margaret F., *Teacher, High School*, Bridgeport, Conn.

ADVANCED COURSE.

STUDENTS.

Beck, Louise P., *Teacher, High School*, Dayton, O.
Butler, W. A., A.B., (*Harvard Univ.*), *Master, Holy Trinity School. Boston*, Boston.
Caverly, Joseph L., A.M., (*Dartmouth Coll.*), *Submaster, Rice Training School, Boston*, Newton.
Freundlich, Anna, *High School*, Helena, Mo.
Hall, Josephine F., B.A. (*Boston Univ.*), *Assistant, High School, Nashua, N. H.*, Somerville.
James, E. C., *Professor of Modern Languages, Woman's College*, Richmond, Va.
Keller, Dora Barbara, *Teacher, Homestead School*, Greenwich, Conn.
Robbins, Corinna E., *Teacher, Girls' Classical School*, Indianapolis, Ind.
Southard, Elmer Ernest, *Student, Harvard University*, Boston.
Vogt, Mary Anna, *Teacher of English and of German*, Dubuque, Ia.
Weeks, Caroline Martha, *Student, Radcliffe College, Cambridge*, Jefferson, Me.
Wells-Ham, Sarah, *Teacher*, Lyndon Centre, Vt.

## FRENCH.

Two courses in French were given in the summer of 1895 by Assistant Professor DE SUMICHRAST: one (*A*) in Composition and Reading, and one (*B*) on the History of French Literature.

Similar courses will be given in the summer of 1896.

COURSE *A*.

STUDENTS.

Leadbetter, Florence Eugenie, *Assistant, Horace Mann School, Boston*, Roslindale.

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Lee, Sarah French, *Assistant, High School, Oakland, Me.* — Foxcroft, Me.
Loring, Ruth Dingley, *Assistant, Groton High School,* — Cambridge.
Fascon, Brooks, *Student, Harvard University,* — Cambridge.
Massey, Louis Vaughn, A.B. (*Southern Univ.*), *Adjunct Professor of Modern Languages and Instructor in Classics, Southern University,* — Greensboro, Ala.
Sargent, Porter Edw., *Student, Harvard University,* — Cambridge.
Sea, Eleanor S., *Student, Radcliffe College,* — Cambridge.
Whittemore, Jennie Mabel, *Teacher, Kimball Union Academy, Meriden, N. H.* — Reading.
Wise, Margaret T., *Teacher, W. Roxbury High School,* — Boston.
Wood, Clarence David, A.B. (*Amherst Coll.*), *Student, Harvard University,* — Brooklyn, N. Y.
Yamagnahi, Renata F., *Student,* — Boston.

COURSE *B.*

STUDENTS.

Curtis, Harry A., *Student, Harvard University,* — Boston.
Dewhurst, Bessie Long, — Worcester.
James, Edward C., *Professor of Modern Languages, The Woman's College of Richmond, Va.,* — Richmond, Va.
Keller, Dora Barbara, *Teacher, Homestead School,* — Greenwich, Conn.
Kidder, Frederick Palmer, *Principal of High School, Shrewsbury, Mass.,* — Lincoln.
Winward, Emily E., *Instructor, B. M. C. Durfee High School,* — Fall River.

## AMERICAN HISTORY.

A course in General American History was given in the summer of 1895. It included twenty-four lectures, with parallel reading; practice in written work; and special opportunities in Seminary training.

STUDENTS.

Bennett, Mildred E., L.I. (*Univ. of Nashville*), A.M. (*Boscobel*), *First Assistant, West Nashville High School,* — Nashville, Tenn.
Cofield, Mary B., *Principal, Private School,* — Newberry, S. C.
Cook, Charles Fred, A.B. (*St. Lawrence Univ.*), *Sub-Principal, Cony High School,* — Augusta, Me.

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| | |
|---|---|
| Crowther, Elizabeth, *Teacher, The Western College, Oxford, O.*, | Smiths. |
| Dennis, Margaret E., *Teacher, Public School*, | Columbus, O. |
| Ensign, S. Laura, A.M., *Teacher, Stanley Hall*, | Minneapolis, Minn. |
| Johnson, Henry, B.L. (*Univ. of Minn.*), *Superintendent of Schools, Rushford, Minn.*, | Sauk Centre, Minn. |
| Maxwell, Mary W., *Principal Leadville High School*, | Leadville, Colo. |
| Orr, Joan Campbell, A.M. (*Waynesburg Coll.*) *Teacher of History and Elocution, Mo. Valley College*, | Marshall, Mo. |
| Rogers, George B., A.B. (*Harvard*), A.M. (*Harvard*), *Student*, | Albion, N. Y. |
| Spence, Quincy G., A.B. (*Moores Hill Coll.*), *Professor of Latin, Moores Hill College, Indiana*, | Morrow, O. |
| Vickery, Mabel S , *Principal, Private School for Boys*, | Chicago, Ill. |
| Vrooman, Hiram, *Minister, New Jerusalem Church*, | Baltimore, Md. |
| Wilmot, Addie S., *Teacher, Public School, Youngstown, O.*, | Mantua, O. |

## COMMON LAW.

A course in Common Law was given in the summer of 1895.

This course was designed to meet the wants of persons beginning the study of law, whether they intended subsequently to take a systematic course at a law school or to pursue their further studies privately; and of students of economics and history who desired some legal knowledge and training as an aid in their special studies.

### STUDENTS.

| | |
|---|---|
| Henderson, George M., *Court Reporter*, | Auburn, Ind. |
| Hines, Miner T., A.M. (*Lafayette Coll.*), *Instructor in Greek, Kenyon Military Academy*, | Gambier, O. |
| Pleasant, Ruffin Goldston, A.B. (*La. State Univ.*), *Assistant Instructor, La. State University*, | Farmersville, La. |

## EDUCATION AND TEACHING.

Twelve lectures on the History of Education, and eight lectures on Educational Aims and Methods with special reference to Secondary Education. Each lecture in the history of education centered on the work of some educational reformer, and the student was led throughout to trace

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the historical evolution of present educational ideals and practices. Prescribed reading with reports.

The work in educational aims and methods comprised a discussion of the principles on which courses of study should be based, and a critical examination of existing and proposed courses of study. These exercises were conducted by Assistant Professor PAUL H. HANUS.

Eight lectures on Psychology for Teachers by Professor WILLIAM JAMES. Three lectures on School Hygiene by Assistant Professor GEO. W. FITZ. The Study of Children by Principal E. H. RUSSELL of Worcester, Mass.

A similar course will be given in the summer of 1896.

STUDENTS.

| | |
|---|---|
| Ames, Addie C., *Teacher, Augusta, Me.*, | E. Jefferson, Me. |
| Andrews, Fannie Fern, | Lynn. |
| Baillie, Elizabeth, *Principal, Wheat Sheaf School, Philadelphia, Pa.*, | Frankford, Pa. |
| Bikle, Charles Earle, A.B. (*Dickinson Coll.*), *Instructor in Mathematics, Teacher's College, New York City*, | Hagerstown, Md. |
| Blair, William E., B.S. (*Syracuse Univ.*), *Principal, Boro School*, | Tioga, Pa. |
| Bradt, Cecilia Katharine, *Teacher*, | Cambridge. |
| DuBois, Henry Ellworth, A.B., M.A. (*De Pauw Univ.*), *Superintendent of Public Schools*, | Trenton, Mo. |
| Ellett, J., *Head Mistress, Private School*, | Richmond, Va. |
| Fellows, Abby M., *Principal, Linden School, Malden, Mass.*, | Ipswich. |
| Gifford, John B., *Superintendent of Schools*, | Peabody. |
| Godfrey, William Hollis, PH.B. (*Tufts Coll.*), | Lynn. |
| Haley, Charles W., *Principal, Grammar School*, | Haverhill. |
| Hitchins, Wm. Richmond, B.A. (*Cambridge, Eng.*), *Teacher, Trinity College School*, | Port Hope, Ont. |
| Horton, Joseph Increase, *Principal, Manning Grammar School*, | Ipswich. |
| Houser, J. C., *City Superintendent, Public Schools, Danville, Pa.*, | Milroy, Pa. |
| Houston, Joseph R., B.S. (*Moores Hill Coll.*), *Principal of Schools, Cochran, Ind.*, | Aurora, Ind. |
| King, Alice Cynthia, *Training Teacher in Utica Public Schools*, | Trumansburg, N. Y. |
| Minnich, Harvey C., *Superintendent of Public Schools*, | Hillsboro, O. |

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| | |
|---|---|
| Perkins, James S., *Snperintenden of Schools*, | Canton. |
| Phelan, B. Maria, *Principal, Teacher's Training School*, | St. Paul, Minn. |
| Phelan, Walter J., *Clerk*, | Charlestown. |
| Prettyman, Virgil, A.B. (*Dickinson Coll.*), *Principal, Horace Mann School*, | New York, N. Y. |
| Rood, Stanley H., B.S. (*Worcester Polytechnic Inst.*), *Teacher Mechanic Arts High School, Boston*, | Jamaica Plain. |
| Rice, E. A., B.A. (*Vassar Coll.*), *Principal, Saint Katharine's Hall, Davenport, Iowa*, | New York, N. Y. |
| Stamps, Mary, A.M., *Principal, Girls' High and Normal School*, | North Carolina. |
| Titcomb, Charlotte, *Principal, St. Mary's Hall*, | Burlington, N. J. |
| Walker, Joseph Henry, A.B. (*Univ. of Georgia*), *Superintendent of Public Schools*, | Griffin, Ga. |
| Wilson, Raymond H., A.B. (*Dickinson Coll.*), *Principal, High School*, | Danville, Pa. |

## METHODS OF TEACHING GEOMETRY AND ALGEBRA.

Ten lectures on methods of teaching Algebra and Geometry, with special reference to the needs of grammar school teachers, were given by Assistant Professor PAUL H. HANUS.

A similar course will be given in the summer of 1896.

STUDENTS.

| | |
|---|---|
| Biklé, Charles Earle, A.B. (*Dickinson Coll.*), *Instructor in Mathematics, Teacher's College, New York City*, | Hagerstown, Md. |
| Corlew, Joseph Thomas, *Principal, Shatford, Mass.*, | Greenfield Hill, |
| Fairfield, Ada Laura, *Teacher, Ely School*, | New York. [Conn. |
| Henshaw, Henry Arnold, A.M., D.B. (*Harvard Univ.*), *Principal of Montvale Grammar School*, | Woburn. |
| Hitchins, Wm. Richmond, B.A. (*Cambridge, Eng.*), *Teacher, Trinity College School*, | Port Hope, Ont. |
| Horton, Joseph I., *Principal, Manning Grammar School*, | Ipswich. |
| Hovey, Emma Frances, *Principal, Plympton School*, | Woburn. |
| Jameson, Lillian, A.B. (*Smith Coll.*), *Teacher, Private School, Providence*, | Jamaica Plain. |
| Leslie, M. Elizabeth, *Principal, Wyman Grammar School*, | Woburn. |
| Libby, Annette Weston, *Second Assistant, Pennell Institute*, | Gray, Me. |

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| | |
|---|---|
| Martin, Harriet L., *Teacher, State Normal School,* | Salem. |
| Newhall, Charles Watson, A.B. (*Johns Hopkins Univ.*), *Assistant in Mathematics, Shattuck Military School, Fairbault, Minn.,* | Galena, Ill. |
| Patteson, Sarah Gay, *Instructor in Mathematics, State Female Normal School,* | Farmville, Va. |
| Russell, Susan A., *Teacher,* | Woburn. |
| Van Winkle, Frank J., *Teacher of Mathematics, State Normal School,* | Weston, Ore. |
| Young, Irene O., *Teacher,* | Washington, D. C. |

## MATHEMATICS.

### Solid Geometry.

A course in Solid Geometry was given in 1895 by Mr. Henry L. Coar. It corresponded to the College course known as Mathematics *E*. The text-book used was *Chauvenets' Geometry*, revised edition. This course will be offered again in 1896.

STUDENTS.

| | |
|---|---|
| Barstow, Rogers L., Jr., *Student,* | Mattapoisett. |
| Benson, Lydia M., *Teacher, High School,* | Buffalo, N. Y. |
| Bird, Lindsay Eaton, *Student, Harvard University,* | Roxbury. |
| Cronin, John Francis, | Boston. |
| Foster, Edwin W., *Assistant Instructor, Manual Training and Constructive Drawing, Tome Institute,* | Port Deposit, Md. |
| Hartshorn, Stewart Henry, *Student, Harvard University,* | Short-Hills, N. J. |
| Hollings, William French, *Student, Harvard University,* | Newtonville. |
| Hubbard, Edith Preston, *Teacher of Mathematics, Wheaton Seminary, Norton, Mass.,* | Plymouth. |
| Leighton, Margarette M., *Teacher, Latin School,* | Cambridge. |
| Rowen, Francis Joseph, | Cambridge. |
| Severien, Clara, *Supervisor of German,* | Dayton, O. |
| Smith, Martha R., *Teacher, English High School,* | Cambridge. |
| Thomas, Arthur F. S., *Student, Harvard University,* | Salt Lake City, [Utah. |
| Tompkins, Thomas Davis, *Student, Lawrence Scientific School,* | Brooklyn, N. Y. |
| Young, Irene O., *Teacher,* | Washington. D. C. |

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### Trigonometry.

A course in Trigonometry and a course in Plane Analytic Geometry were given in the summer of 1895, by Mr. James L. Love. The courses covered pretty thoroughly the elements of these subjects. Lectures were given five times a week, accompanied by individual work with each member of the class in explanation of problems and exercises.

A course in Plane Trigonometry, a course in Analytic Geometry, and probably a course in the Calculus, will be given in the summer of 1896. Announcement will be made early in the spring and descriptive circulars may be had on application to the *The Secretary of Harvard University.*

#### students.

| | |
|---|---|
| Barstow, Rogers Lewis, Jr., *Student*, | Mattapoisett. |
| Bird, Lindsey Eaton, *Student, Harvard University*, | Roxbury. |
| Corbett, Sarah Helen, | Cambridge. |
| Bradley, Sarah Louise, *Student, Radcliffe College*, | Somerville. |
| Hernsheim, Charles, *Student, Harvard University*, | New Orleans. |
| Leighton, Margaret M., *Teacher, Latin School*, | Cambridge. |
| Napier, Alice, L.I. (*Peabody Normal Coll., Nashville, Tenn.*), *Teacher, G. N. & Q. College, Milledgeville, Ga.*, | La Fayette, Ga. |
| Perkins, Hattie Lee, A.M. (*Howard-Payne Coll.*), *Teacher of Mathematics, Kee Mar College, Hagerstown, Md.*, | Renick, Miss. |
| Severien, Clara, *Supervisor of German*, | Dayton, O. |
| Smith, Anna M., *Teacher of Mathematics, Chillicothe High School*, | Chillicothe, O. |
| Sproul, Margaret, *Teacher, Philadelphia Girls' High School*, | Philadelphia, Pa. |
| Van Winkle, Frank J., *Teacher of Mathematics, State Normal School*, | Weston, Ore. |
| Wood, Mary M., *Teacher, High School*, | Eastport, Me. |

### Analytic Geometry.

| | |
|---|---|
| Baldwin, William A., *Superintendent of Schools*, | Andover. |
| Clark, Edw. Lewis Centre, *Student, Harvard University*, | Cambridge. |
| Hurley, Edward Martin, *Student, Harvard University*, | Lynn. |
| McIntire, Frederic May, *Student, Lawrence Scientific School.* | Cambridge. |
| Prall, Ralph T., *Student, Harvard University*, | Cambridge. |

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Tompkins, Thomas Davis, *Student, Lawrence Scienfic School*, Brooklyn, N. Y.
Van Winkle, Frank J., *Teacher of Mathematics, State Normal School*, Weston, Ore.
Williams, Lombard, *Student, Harvard University*, Buffalo, N. Y.

## ENGINEERING.

### Draughting and Descriptive Geometry.

During the summer of 1895 a course in Draughting and Descriptive Geometry was given by Mr. A. N. Johnson in the drawing rooms of the Lawrence Scientific School. The course comprehended the use of draughting instruments; the stretching and mounting of paper; lettering; problems in geometrical drawing; descriptive geometry, including problems in projection of points, lines, planes, and single and double curved surfaces and in the tangencies, intersections, and development of the same; tinting in india ink; shades and shadows, including the determination of brilliant lines and points, shade lines and shadows of plane and curved surfaces, and the shading of the same; isometric drawing; and problems in linear perspective.

The course was made equivalent to the regular course of the Lawrence Scientific School known as Engineering 3*a*.

#### STUDENTS.

Eaton, James, *Instructor in Shop Work, University of Vermont*, Roxbury.
Freeman, Cora, *Teacher of Form Study, High School*, Buffalo, N. Y.
Horsey, Outerbridge, Jr., *Student, Georgetown College, D. C.*, Burkettsville, Md.
Jenkins, Lawrence Waters, *Student, Harvard University* Boston.
King, Edwin Ruthven, *Instructor of Manual Training, New Bedford*, East Boston.
Smith, Howard E., ph.b. (*Dickinson Coll.*), *Teacher of Mathematics, Mercersburg College*, Mercersburg, Pa.
Taylor, George Robert, *Student, Lawrence Scientific School*, Youngstown, Ohio.

### Electrical Engineering.

During the summer of 1895 a course on the Industrial Applications of Electricity was given in the Electrical Engineering Laboratory, under the instruction of Mr. C. A. Adams. The course covered nearly the same ground as the College courses Engineering 16*c* and 16*d*, and consisted principally in the study of the theory of Electrical Machinery, and prac-

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tice in the design and construction of the same. The work included an experimental study of the magnetic properties of several varieties of iron, and complete tests of dynamos and motors.

Advanced work in the theoretical and experimental study of alternating currents was also done by one member of the class.

The work occupied about eight hours per day for five days a week with a half-holiday on Saturday.

Lectures were given once or twice each day, explanatory of the work done in the laboratory.

Frequent visits were made, during the course, to electric light and power stations in the vicinity of Boston.

STUDENTS.

| | |
|---|---|
| Bunnell, Frank Scott, A.B. (*Yale Univ.*), *Teacher, Mt. Holly Academy, N. Y.*, | Stratford, Conn. |
| Chase, Herbert J., A.B. (*Bates Coll.*), *Teacher of Physics and Mathematics, Cambridge Latin School*, | Somerville. |
| Cram, Ernest R., *Student, Harvard University*, | Cambridgeport. |
| Dilworth, Horace Lincoln, B.S. (*Swarthmore Coll.*), *Teacher of Physics, Friend's Central School, Philadelphia, Pa.*, | Centreville, Del. |
| Frothingham, F. E., A.B. (*Harvard Univ.*), | Brooklyn, N. Y. |
| Gray, Guthrie, *Student, Harvard University*, | Buffalo, N. Y. |
| Hunt, Frederick G., *Student, Rose Polytechnic Institute, Terre Haute, Ind.*, | Cincinnati, O. |

SURVEYING.

The course in Surveying consisted of practical instruction in topographical, land, and city surveying. Actual surveys were made, notes plotted, areas calculated, and maps completed in ink and colors. Practice was given in levelling, in determination of grades, setting of grade stakes, contouring and the computation of earth-works. The instruction was intended to make the student familiar with the methods and instruments employed in surveying, and to enable him to perform the operations of plane surveying, levelling, and plotting.

STUDENTS.

| | |
|---|---|
| Gardner, Frederick Eugene, A.B. (*Tufts Coll.*), *Principal, High School*, | Crisfield, Md. |
| Katzmann, Frederic Gunn, *Student, Harvard University*, | Hyde Park. |
| Kingsbury, Isaac William, *Student, Harvard University*, | Chesnut Hill. |
| Roeber, Fred. F., *Student, Rutgers College*, | |

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## FREEHAND DRAWING.

An elementary course in Freehand Drawing was given during the summer of 1895. The object of the course was to give facility in clear and precise delineation of simple forms, with appreciation of quality of line, an elementary knowledge of the use of water-colors, of projection drawing, shades and shadows, and perspective.

STUDENTS.

| | |
|---|---|
| Atherton, Lily B., *First Assistant, Dearborn Grammar School, Boston,* | Medford. |
| Fletcher, Lilian Maud, *Teacher, Third Grade, Orange Public Schools,* | So. Orange, N. J. |
| Gaus, Lina E., *Teacher, High School,* | Kansas City, Mo. |
| Kearby, Anna Wells, *Teacher, Public Schools,* | Rich Hill, Mo. |
| Purington, Frank Howard, *Student,* | Boston. |
| Ricker, Helen A., *Kindergarten Teacher, Noble School, East Boston,* | No. Cambridge. |

## PHYSICS.

ELEMENTARY COURSE.

A course in Experimental Physics covering approximately the ground of "Physics *B*" of the College course and especially adapted to the needs of teachers of Physics in preparatory schools was given by Mr. J. Y. BERGEN, Jr., in the Jefferson Physical Laboratory in the summer of 1895. A similar course will be given in the summer of 1896.

STUDENTS.

| | |
|---|---|
| Barton, Annie J., *Teacher, Principal, Colburn School, West Dedham,* | Woburn. |
| Beals, A. T., B.S. (*Mass. Agricultural Coll.*), | Greenfield. |
| Bradley, Marian H., A.B. (*Vassar Coll.*), *Girls' High School,* | Brooklyn, N. Y. |
| Bruce, Emily H., A.B. (*Wooster Univ.*), *Teacher of Science, Lindenwood College, St. Charles, Mo.* | Girard, Kan. |
| Conard, Henry Shoemaker, B.S., A.M. (*Haverford Coll.*), *Teacher of Natural Science, Westtown Friends' Boarding School, Chester Co., Pa.* | Lansdowne, Pa. |
| Doherty, Thomas F., Jr., *Student, Chauncy Hall, Boston,* | E. Boston. |

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| | |
|---|---|
| Doyle, Robert S., *Teacher*, *Principal*, *Public School*, *Cresskill*, *N. J.* | Somerville, N. J. |
| Edmonds, Isabel, *Teacher*, *High School*, | Waco, Texas. |
| Evans, Charles Frederick Allan, *Student*, | So. Boston. |
| Fisher, George Herbert, A.B. (*Amherst Coll.*), *Teacher*, *Lackawanna Institute*, *Scranton*, *Pa.* | Shelburne Falls. |
| Gould, T. H., A.B. (*Harvard Univ.*), *Teacher*, | London, O. |
| Harper, Frederick Charles, A.B. (*Brown Univ.*), *Principal*, *Walpole High School*, | Walpole. |
| Hines, S. W. | |
| Hodges, Richard Osgood, | Brookline. |
| Holbrook, Isabel B., *Principal*, *Mattapan School*, *Milton*, | Rockland. |
| Howes, L. Gertrude, *First Assistant*, *Harris School*, *Boston*, | Roxbury. |
| Kuhn, Arthur, *Student*, *Harvard University*, | Ogden, Utah. |
| Kearby, William Hansford, *Principal*, *High School*, | Rich Hill, Mo. |
| King, Roland Marshall, *Student*, *Harvard University*, | W. Newton. |
| Lee, Lyman K., A.B. (*Bowdoin Coll.*), *Principal*, *High School*, *Oakland*, *Me.* | Foxcroft, Me. |
| Livermore, Adelaide Lunette, *Teacher of Science*, *High School*, *Nutley*, *N. J.* | Woodbury, N. J. |
| Mallory, Margaret Eleanor, A.B. (*Vassar Coll.*), *Teacher*, *Central High School*, | Cleveland, O. |
| Moyes, Charles Hermon, B.L. (*Dartmouth Coll.*), *Submaster*, *High School*, | Nashua, N. H. |
| Nutter, Attalena, A.B. (*Maine Wesleyan Coll.*), *Head Teacher*, *Miss Mary C. Wheeler's School*, | Providence, R. I. |
| O'Brien, Michael T., A.B. (*Holy Cross Coll.*), *Sub-Principal*, *High School*, | Lewiston, Me. |
| Olin, John Russell, A.B. (*Hobart Coll.*), *Instructor in Science and Mathematics*, *High School*, | Watertown. |
| Scott, Arthur Curtis, *Student*, | Kingston, R. I. |
| Smith, George Washington, *Student*, | Philadelphia, Pa. |
| Swett, Philip Sidney, | Boston. |
| White, Walter Irving, *Student Tutor*, | Somerville. |
| Williams, Grace Deane, | Greenfield. |
| Wilson, Ralph Graham, *Student*, *University of Pennsylvania*, | Philadelphia, Pa. |
| Woodward, Sherman M., M.S. (*Washington Univ.*), *Teacher of Physics*, *Rayen School*, *Youngstown*, *N. J.* | Boston. |

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### Advanced Course.

A higher course in Experimental Physics, covering the ground of the sixty experiments required for admission to College (Advanced Standing, No. 8), and substantially covering the ground of "Physics *C*" of the College course, was given by Mr. W. C. Sabine in the Jefferson Physical Laboratory in the summer of 1895.

STUDENTS.

| | |
|---|---|
| Copeland, Charles R., *Principal, Marshfield High School*, | Bridgewater. |
| Crandall, George Haliburton, A.M. (*Harvard Univ.*), *Assistant Principal, Milwaukee Academy*, | Milwaukee, Wis. |
| Goodwyn, Richard Tuggle, *Professor of Natural Science, Jefferson Military College, Washington, Miss.* | Nottoway, Va. |
| Graber, Philip Emanuel, M.S. (*National Normal Univ., Lebanon, O.*), *Superintendent of Schools*, | Genoa, O. |
| Gravatt, Mount De Bow, B.S. (*Rutgers Coll.*), *Teacher*, | Clarksburg, N. J. |
| Hulsart, J. Howard, PH.B. (*Ill. Wesleyan Univ.*), *Supervising Principal, Public Schools*, | Dover, N. J. |
| Kidder, Frederick Palmer, | Lincoln. |
| Knott, Nannie, *Teacher, Sioux City High School*, | Dayton, O. |
| Lemann, Isaac Ivan, A.B. (*Tulane Univ.*), | New Orleans, La. |
| Manning, Priestley Hartwell, A.B. (*Univ. of Nashville*), *Teacher of Natural Science, Montgomery Bell Academy*, | Nashville, Tenn. |
| Pierce, Edwin Dana, A.B. (*Amherst Coll.*), *Instructor in Physics, Hotchkiss School*, | Lakeville, Conn. |
| Painter, Adelaide E., *Teacher, Edgehill, Windsor, N. S.* | Sag Harbor, N. Y. |
| Pough, Francis H., *Assistant Instructor in Chemistry and Physics, Pratt Institute*, | Brooklyn, N. Y. |
| Sawyer, Mary Alma, *Teacher, Western College*, | Oxford, O. |
| Shaw, Hubert Grover, A.B. (*Harvard Univ.*), PH.D. (*Ohio Univ.*), *Teacher*, | Fall River. |
| Snell, Herbut Laird Wingate, A.B. (*Harvard Univ.*), *Teacher, Casa de Piedro Ranch School, Nordhoff, Cal.* | Brookline. |
| Tibbets, George Parsons, A.B., A.M. (*Amherst Coll.*), *Instructor in Mathematics, Williston Seminary*, | Easthampton. |

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Turner, Anne Louisa, *Assistant, Department of Physics and Chemistry, Philadelphia Normal School*, Philadelphia, Pa.
Wadsworth, Arthur Clinton, *Student, Harvard University*, Cambridge.
Wheeler, Stuart, *Student, Harvard University*, Cambridge.
Wilgus, Mary, *Teacher*, Xenia, O.

## CHEMISTRY.

During the summer of 1895 the chemical laboratories in Boylston Hall were open from July 6 to August 16 inclusive, and courses of instruction in the Fundamental Principles of Chemistry, Qualitative Analysis, Quantitative Analysis, and Organic Chemistry were given by Mr. JOSEPH TORREY, Jr., Director of the courses, Dr. ALLEN, Dr. DUNLAP, Dr. SAWYER, Mr. GALLIVAN and Mr. SYLVESTER.

### GENERAL CHEMISTRY.

This course is planned especially for teachers. Its object is to set forth by lectures and laboratory work the fundamental principles and facts of Chemistry. It is not intended to inculcate any particular "method" of dealing with the subject, but is rather intended to give a logical and consistent view of the science, along with practice in experimentation such as is adapted to elementary chemical instruction.

The instruction in this course was given by Mr. TORREY, who was assisted in the laboratory by Dr. ALLEN and Mr. GALLIVAN.

#### STUDENTS.

Attwill, William Henry, *Assistant, Harvard Observatory*, Cambridge.
Bainter, Edward McGilbert, B.S. (*Grand River Coll.*), *Principal, High School*, Trenton, Mo.
Banks, Wesley Tarver, A.B. (*Emory Coll.*), *Student*, New York, N. Y.
Barrett, Edward W., B.S. (*Boston Univ.*), *Blackstone High School*, Milford.
Boylston, Clarence, *Sub-Master, High School*, Milton.
Butler, Eloise, *Teacher of Natural Science, Central High School*, Minneapolis, Minn.
Cassatt, Robert Kelso, *Student, Harvard University*, Haverford, Pa.
Dellenger, J. Elmer, M.D. (*Shaw Univ.*), *Professor Chemistry, A. and M. College, Greensborough, N. C.* Greensborough, N.C.

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| | |
|---|---|
| Dieterich, Lena K., PH.B. (*Washington Univ., St. Louis, Mo.*), *Teacher of Chemistry, Manual Training School*, | St. Louis, Mo. |
| Eaton, Willis Leander, A.B. (*Boston Univ.*), *Sub-Master, High School*, | Waltham. |
| Elliott, S. Maria, *Teacher, Boston Public Schools*, | Somerville. |
| Hughes, Winona Alice, PH.B. (*Wooster Univ.*), *Second Assistant, High School*, | Marion, O. |
| Jonsson, Carl Herman, *Student*, | Boston. |
| McElfresh, William Edward, A.B. (*Harvard Univ.*), *Student*, | Jacksonville, Ill. |
| Ruggles, Anne Reed, *Principal, Meeting St. Cooking School, Providence, R. I.* | Hardwick. |
| Sampson, Henry, Jr., *Student*, | New York, N. Y. |
| Streeter, Edith R., *Teacher, Brooklyn, N. Y.* | Millbury. |
| Vose, Louis Ellis, *Student, Harvard University*, | Jamaica Plain. |
| Walters, W. R., | Chicago. |
| Wood, Leonard P., *Student*, | Brooklyn, N. Y. |
| Woodrow, Marion W., *Instructor in Natural Sciences, Winthrop Normal and Industrial College, Rock Hill, S. C.* | Columbia, S. C. |

### Qualitative Analysis.

In this course the student, having first observed the characteristic reactions of the most important basic and acid radicals, has practice in deducing methods of analysis based upon his own observations; after which a large number of simple and mixed salts, minerals, alloys, etc., are analyzed, the course being exactly similar to Chemistry 3, as given in the College.

The instruction in this course was given by Dr. Sawyer, assisted in the laboratory by Mr. Sylvester.

#### STUDENTS.

| | |
|---|---|
| Fuller, Mary M., *Laboratory Assistant, Wellesley College*, | Wellesley Hills. |
| Herrick, Charles Russell, A.B. (*Tufts Coll.*), *Assistant Teacher, Everett High School*, | Beverly. |
| Hyde, Clement Collester, A.B. (*Harvard Univ.*), | Malden. |
| Suydam, Eugénie, *Vice Principal, McDonogh High School No. 3, Science Department*, | New Orleans, La. |
| Torre, Alberto de la, *Student, Rensselaer Polytechnic Institute, Troy, N. Y.* | [S. C. Bogotá, Colombia, |
| Washburn, Charles Addison, A.B. (*Bates Coll., Lewiston, Me.*), *Sub-Master, High School*, | So. Framingham. |

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### Quantitative Analysis.

This course is intended to give a training in the general methods of Quantitative Chemical Analysis, both gravimetric and volumetric, and is parallel to Chemistry 4, as given in the College. Each student works independently under the immediate oversight of the instructor, and is assigned problems suited to his attainments. The analysis of drinking-water, gases, fertilizers, furnace-products, or other commercial analyses, may be undertaken by the more advanced students.

The instruction in this course was given by Dr. Sawyer, assisted in the laboratory by Mr. Sylvester.

#### STUDENTS.

| | |
|---|---|
| Carson, George Prentice, A.M. (*Wesleyan Coll.*), *Professor of Chemistry, John B. Stetson Univ.* | De Land, Fla. |
| Ham, Judson Baxter, A.M. (*Bates Coll.*), *Teacher of Natural Science, Lyndon Institute,* | Lyndon Centre, Vt. |
| Holton, Jeptha Lee, A.B. (*Princeton Coll.*), *Chemist,* | Steubenville, O. |
| Stokes, Horace Alfred, A.B. (*Ohio Wesleyan Univ.*), *Superintendent, Public Schools,* | Granville, O. |
| Wolfe, Elmer Ellsworth, A.M. (*Bucknell Univ.*), PH.D. (*Richmond Coll.*), *Teacher of Science, Fort Edward Collegiate Institute,* | Fort Edward, N. Y. |

### Organic Chemistry.

This course consists of instruction and practical work in the organic laboratory, including organic analysis and the different methods peculiar to this branch of the science. Lectures are given describing the various classes of carbon compounds, their behavior, methods of preparation, etc.; there is also discussion of the general problem of molecular structure, to indicate the spirit in which this class of investigations is undertaken. The laboratory is open also to students having a previous knowledge of the subject, who may desire to pursue special lines of study.

The instruction in this course was given by Dr. Dunlap.

#### STUDENTS.

| | |
|---|---|
| Holmes, Willis Boit, *Student, Harvard University,* | Cambridge. |
| Parker, Edward Grahame, *Student, Harvard University,* | Auburndale. |
| Sands, John Low, *Student, Yale Sheffield School,* | Cambridge. |
| Sargent, Herbert Eugene, B.S. (*Dartmouth Coll.*), *Teacher of Sciences, Brewster Free Academy,* | Wolfboro, N. H. |

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## BOTANY.

The summer course in Botany for 1895 was held at the Botanic Garden from July 5–Aug. 8. It was under the instruction of Mr. H. L. Jones, assisted by Mr. F, O Grover. The course consisted of laboratory work on Vegetable Morphology and Physiology, supplemented by lectures on the principles of Morphology, Histology and Physiology. Weekly excursions were made for the study and collection of the plants in the immediate vicinity.

STUDENTS.

| | |
|---|---|
| Baker, Mary, *Teacher*, | Bridgewater. |
| Bour, Lizzie E., *Teacher, High School*, | Canton, O. |
| Browne, Anna Merrifield, B.S. (*St. Lawrence Univ.*), *Special Teacher, Harvard Grammar School, Cambridge*, | Gaysville, Vt. |
| Burnham, Susanna Mead, *Assistant in Gray Herbarium, Harvard University*, | Cambridge. |
| Crandell, Anna I., *Teacher*, | Adams. |
| Curtis, Chester Bickford, M.L. (*Dartmouth Coll.*), *Teacher of the Sciences, Shattuck School*, | Faribault, Minn. |
| Emery, Ellen Rosalind, A.B. (*Univ. of So. California*), *Radcliffe College*, | Cambridge. |
| Forsythe, Margaret Forbes, *Normal Art School*, | Boston. |
| Honeyman, Howard Arthur, B.A. (*McGill Univ.*), *Teacher, St. Francis College*, | Richmond, Quebec. |
| Hoover, Jennie E., *Teacher, High School*, | Hartford City, Ind. |
| Kennedy, H. Anne, *Quincy Public Schools*, | South Weymouth. |
| Lawrence, Ames Amory, *Student*, | Boston. |
| Lentz, Oliver Granville, *Student, Harvard University*, | Fleetwood, Pa. |
| Leonard, Bertha Christina, *Teacher, Sprague School*, | Brockton. |
| Libert, P. Prosper, B.D. (*Louvain, Belgium*), *Teacher, St. Bernard's Seminary*, | Rochester, N. Y. |
| McDonald, W. J., | Paris, Texas. |
| McLellan, Dora, *Principal, Sterling St. School*, | Bridgeport, Conn. |
| Mather, Harriet T., | Albany, N. Y. |
| Sevrens, Amanda, *Teacher, Rumford Grammar School*, | West Woburn. |
| Smith, Preston, *Science Teacher, Brockton High School*, | Bridgewater. |
| Sutherland, Clara M., *Assistant Principal, West Haven, Conn. High School*, | Clinton, Conn. |

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Trafton, Mary A., A.B. (*Smith Coll.*), *Teacher, B. M. C. D. High School*, Fall River.
Watson, Mary Holland, *Teacher, Private School, New York City*, Newark, N. J.
Weston, Abbie Upton, *Teacher, Sprague School, Brockton*, Plymouth.
Wood, Mary,

## GEOLOGY.

Two courses in Geology were given during the summer of 1895.

### Course 1.

An elementary course in Geology. beginning July 5, and lasting six weeks, was given in Cambridge under the direction of Professor N. S. Shaler, with the assistance of other instructors of the geological department. This course was parallel to, but not the equivalent of, the course in elementary geology (Geology 4) given during the academic year.

There were usually two lectures a day on five days of the week. The systematic treatment of the subject was presented in a series of about thirty lectures, by M. R. A. Daly, who also conducted the laboratory and field-work. Special topics were treated as follows: dynamical geology, by Professor N. S. Shaler; lithological geology, by Professor J. E. Wolff; physiographic geology, by Professor W. M. Davis; economical geology, by Professor J. D. Whitney; glacial geology, by Mr. J. B. Woodworth.

#### students.

Allen, Lyman Richards, *Science Instructor, High School, Plainfield, N. J.*, East Bridgewater.
Ashley, Mabel Tryphena, *Principal, Grammar School, North Abington*, Segregansett.
Battey, Thomas J., A.M. (*Haverford Coll.*), *Teacher of Science, Friend's School*, Providence, R. I.
Black, Newton Henry, *Student, Harvard University*, Foxboro.
Clark, John Calvin Lawrence, *Student, Harvard University*, Lancaster.
Clark, Thomas H., *Student*, Worcester.
Dresser, John Alexander, B.A. (*McGill Univ.*), *Principal, St. Francis College*, Richmond, Quebec.
Hanavan, George Bernard, *Student, Harvard University*, Buffalo, N. Y.
Hardenbrook, Frederick Lampman, *Student, Harvard University*, Jamaica, N. Y.

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Hildreth, Loring Thayer, *Student, Harvard University*, Salem
Houghton, Frederick, *Principal, Public School No. 29*, Buffalo, N. Y.
Kelsey, Frank G., Fort Plain, N. Y.
Mitchell, James A., A.M. (*Mt. St. Mary's Coll.*), PH.D. (*Niagara Univ.*), *Professor of Natural Science, Mt. St. Mary's College*, Emmitsburg, Md.
Patterson, Henry Sells, *Student, Harvard University*, Ripley, O.
Reese, John B., M.E. (*State Normal School, Shippensburg, Pa.*), *Supervisory Principal, Ridgway Borough Public Schools*, Ridgway, Pa.
Sogard, John, *Principal, Grammar School*, Pueblo, Colo.
Shadd, Marion P., *Principal, Lincoln Building*, Washington, D. C.

### Course 2.

An advanced course in geological field-work was conducted by Professor Brigham, Mr. Kummel, and Mr. Griswold, for two weeks each at Utica, N. Y., Catskill, N. Y., and Meriden, Conn., from August 17 to September 26.

#### STUDENTS.

Barrett, R. L., *Student, Harvard College*, Cambridge.
Black, Newton Henry, *Student, Harvard College*, Cambridge.
Boutwell, John M., *Student, L. S. S.*, Manchester, N. H.
Forsyth, Alexander, *Student, Harvard College*, Cambridge.
Healey, John R., *Student, Harvard College*, Roxbury.
Kingsbury, I W., *Student, Harvard College*, Cambridge.
Martin, Fernando Wood, B.S. (*Chaddock College*), PH.D. (*Syracuse, Univ.*), *Professor of Chemistry in Randolph-Macon College*, Lynchburg, Va.

## PHYSICAL GEOGRAPHY.

A course in Physical Geography, beginning July 5, and lasting five weeks, was given at Cambridge, by Professor W. M. Davis.

The course was parallel to Geology 2, the elementary course in Physical Geography as given during the academic year, and included a treatment of the physical geography of the land in accordance with the recommendations of the Conference on Geography, published in the Report of the Secondary Schools.

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Five to eight lectures were given each week, supplemented by laboratory work on charts, maps and models, and by collateral reading. Especial attention was given to methods of elementary presentation of the general principles of the subject. Half-day excursions were made to Nantasket and Newtonville, and two-day excursions to Provincetown and the Connecticut valley, in order to study the natural occurrence of various geographical features that had been presented in the lectures.

STUDENTS.

| | |
|---|---|
| Corlew, Joseph Thomas, *Principal, Stratford, Conn.*, | Greenfield Hill, [Conn. |
| Eames, Emma F., *Teacher of Science, Bridgeport, Conn.*, | Reading. |
| Emerson, Philip, *Principal, Eliot Grammar School*, | Natick. |
| Fenneman, Nevin M., A.B. (*Heidelberg, Tiffin, O.*), *Professor of Geography and Economics, State Normal School*, | Greeley, Colo. |
| Glenn, Leonidas Chalmers, A.B. (*Univ. of S. C.*), *Superintendent, Darlington Public Schools*, | Darlington, S. C. |
| Palmer, Irving O., A.M. (*Colby Coll.*), *Science Master, Salem Classical and High School*, | Salem. |
| Poole, Mary Elizabeth, *Assistant, Peabody High School*, | Peabody. |
| Shute, Edward P., *Sub-master, Phillips School, Boston*, | Allston. |
| Snyder, William Henry, A.M. (*Harvard Univ.*), *Master in Science, Worcester Academy*, | Wayne, Me. |

## METEOROLOGY.

A course in Meteorology, beginning July 5, and lasting four weeks, was given by Mr. R. DEC. WARD.

This course was parallel to the elementary course in Meteorology given in the academic year. The general plan of the course followed that outlined by the Conference on Geography, published in the Report of the Committee on Secondary Schools. The following topics were considered: General relations and phenomena of the atmosphere; temperature, pressure, winds, moisture, cyclones, thunderstorms, tornados, rainfall, weather and climate. There were five or six lectures a week, supplemented by laboratory work involving practical exercises in the use of ordinary meteorological instruments, construction and use of the daily weather map, forecasting weather changes, besides the study of a variety of maps, charts, diagrams and photographs. Davis's *Elementary Meteorology* was used as a text-book.

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STUDENTS.

Tripp, George Judson, B.S. (*Adrian Coll., Mich.*), *Superintendent of Schools*, Hudson, Mich.

MINERALOGY.

A course in Elementary Mineralogy, beginning July 5, and lasting six weeks, was given in the Mineralogical Laboratories, by Professor WOLLF, assisted by Mr. Pratt. This course consisted of two daily lectures and of laboratory work in the determination of minerals.

STUDENTS.

Gilmore, Mattie E., *Principal, School No. 2*, Bridgeport, Conn.
Stearns, John Brainerd, B.S. (*Univ. of Vermont*), *Instructor in Chemistry, University of Vermont*, Burlington, Vt.
Talbot, Julia May, *Teacher, Supervisor of Nature Study, Pawtucket, R. I.*, Dorchester.

## PHYSIOLOGY AND HYGIENE.

A course in Physiology and Hygiene was given in the summer of 1895 by Dr. G. W. FITZ, Asst. Professor of Physiology and Hygiene.

The course was planned to give a clear understanding of the vital processes. It included practical work in the chemistry and physics of digestion, circulation, and respiration, and the designing and use of apparatus for illustrating the various processes and conditions. Attention was devoted to methods of instruction and to discussions of the choice of material to be given. Opportunity was given for constant use of microscopes and the preparation of microscopic and other specimens for illustration.

The work consisted of lectures, demonstrations, recitations, and conferences, and occupied 5–8 hours daily, beginning July 5 and contining five weeks.

STUDENTS.

Anderson, Lucy J., *Student.*
Hallock, Ella B., *Instructor, Teacher's Institute*, Southold, N. Y.
Reynolds, Virginia, *Instructor in Physiology and Geography, Farmville Normal School, Va.*, Kittanning, Pa.
Conland, Jennie Marie, *Principal, Training School, Central Falls, R. I.* Brookfield, Vt.

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## PHYSICAL TRAINING.

This course, while designed especially for teachers, is open to all students and to those desiring the work for their physical improvement; it is conducted at the Hemenway Gymnasium, by D. A. SARGENT, M. D., Director, who takes part in both the theoretical and practical instruction.

The theoretical work of the course at the last session comprised lectures and practical talks, with illustrations, on the elements of Applied Anatomy, Elementary and Experimental Physiology, Personal Hygiene, Physical Training, First Aid to the Injured, Anthropometry, Growth of Children, Physical Examinations and Diagnosis, Methods of Prescribing Exercises for the Individual, Physical Basis of Mental Life, Physical Exercise in the Treatment of Spinal Curvature, Diseases of Women and their Treatment through Physical Agencies, Testing for Normal Vision and Hearing, Massage and its Applications, with the opportunity for practice in Measuring, Testing, Tabulating, and Charting.

The practical work consisted of Free Movements, Calisthenics, Light Gymnastics, Military Drill, Methods of conducting Squad, Class, and Division Exercises, Gymnastic Games, Delsarte Movements, Relaxing Exercises, Swedish Gymnastics, Heavy Gymnastics, Track and Field Athletics, Boxing, Fencing, Rowing, Swimming, Voice Training, and Special Exercises on Developing Appliances.

The Special Lecturers were: Dr. MARSHALL H. BAILEY, Dr. CLARENCE J. BLAKE, Dr. ELLIOTT G. BRACKETT, Dr. WALTER CHANNING, Dr. GEORGE W. FITZ, Dr. LENA V. INGRAHAM, Dr. MYLES STANDISH, and Dr. SAMUEL G. WEBBER.

The Special Instructors were: CHRISTIAN EBERHARD, DELIA M. ELLIOT, MARIE LOUISE EVERETT, MELVIN B. GILBERT, GERMAN F. HOFFMAN, BESSIE MARIE HOUGHTON, Capt. THOMAS D. LANDON, JAMES G. LATHROP, Gen. FREDERICK W. LISTER, HARTWIG NISSEN, Dr. CHARLES A. RABETHGE, Dr. FRANK N. WHITTIER, LORY PRENTISS ALICE MITCHELL; with nine Student Assistants.

A general certificate, indicating the manner in which his or her work is performed, is given to each student attending the full course; special certificates are given to those passing examinations at the end of the course; and full certificates to those who have attended three sessions and passed all the examinations.

Fees: Full course, $50; Practice, or Theory alone, $25; payable, on entering, to the Bursar of the University.

The next session will be held during the five weeks beginning Monday, July 6, 1896. Further particulars will be furnished on application to Dr. D. A. SARGENT, Cambridge, Mass.

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*Full Course.*

| | |
|---|---|
| Abbott, Helen Marion, *Teacher, Dr. Savage's Physical Culture Institution, New York,* | So. Bethlehem, Pa. |
| Avery, Sibyl Howe, *Student, Dr. Sargent's Normal School of Physical Training,* | Providence, R. I. |
| Battelle, Sarah Alice, *Student, Dr. Sargent's Normal School of Physical Training,* | Somerville. |
| Bliss, Maria Washburn, *Teacher of Physical Culture, Ogontz School, Pa.* | Newburyport. |
| Bojus, Gustav Hermann, M.G. (*New York Turn Verein*), *Teacher, Elizabeth Athletic Club and Turn Verein Vorwaerts, Elizabeth, N. J.* | Jersey City, N. J. |
| Bucher, Caleb Horst, M.E. (*State Normal School, Millersville, Pa.*), *Principal of Schools,* | Everett, Pa. |
| Burnham, Stella Marie, *Director of Physical Culture, Public Schools, Mt. Clemens, Mich.* | Detroit, Mich. |
| Burton, Frances Cheever, *Teacher of Physical Training, Michigan State Normal School,* | Ypsilanti, Mich. |
| Buzzell, Mary, *Student and Instructor, Bates College,* | Lewiston, Me. |
| Carter, Charles Edgerton, A.B. (*Oberlin Coll.*), *Student, Harvard Medical School,* | Tallmadge, O. |
| Clark, Emma Chambers, *Vice-Principal, Dover High School, N. J.* | Malone, N. Y. |
| Curren, Villa Jeanette, *Dr. Sargent's Normal School of Physical Training,* | Eau Claire, Wis |
| DeGroot, Edward Burton, *Physical Instructor, Montclair Military Academy and Y. M. C. A.* | Montclair, N. J. |
| Dohs, Francis, M.G. (*North American Sem. for Phys. Cult., Milwaukee, Wis.*), *Instructor in Gymnastics, Harvard University,* | New York, N. Y. |
| Farnham, Ralph Welcome, | Providence, R. I. |
| Flattery, Maurice Douglas, *Director of Physical Training and Hygiene, Centre College, Ky.* | Woonsocket, R. I. |
| Fleming, Hugh, | Allegheny City, Pa. |
| Foglesong, Nellie, *Dr. Sargent's Normal School of Physical Training,* | Dayton, O. |
| Frauenthal, Carrie Henrietta, M.E. (*State Normal School, Bloomsburg, Pa.*), *Teacher in Public Schools,* | Wilkes Barre, Pa. |
| Harding, Gena Russell, A.B. (*Wells Coll.*), | Washington, D. C. |

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Hargroves, Alice Maria, *Director of Gymnasium, Randolph-Macon Women's College, Lynchburg, Va.* — Drivers, Va.

Harvey, Anson Burlingame, S.B., A.M. (*Haverford Coll.*), *Teacher of Gymnastics, Friends' Select School,* — Philadelphia, Pa.

Herrick, George Franklin, — Providence, R. I.

Horner, Jerome Channing, A.M. (*Davidson Coll.*), *Senior Principal, Horner School,* — Oxford, N. C.

Houghton, Bessie Marie, *Private Teacher, Boston; Director, Y. W. C. A., Worcester; Teacher, Summer School,* — Boston.

Jones, Margaret Gwynne, *Radcliffe College and Dr. Sargent's Normal School of Physical Training,* — Plymouth, Pa.

Lamkin, Belle, B.L. (*Univ. of Illinois*), *Teacher in Champaign Public Schools,* — Champaign, Ill.

Lee, Jane Varenia, A.B. (*Univ. of Nashville*), *Director, Girls' Gymnasium, Peabody Normal College, University of Nashville, Nashville, Tenn.* — [W. Va.

Holliday's Cove,

Lewis, Willis Arthur, *Student and Physical Director, T. C. A., Poultney, Vt.* — Poultney, Vt.

Marks, Helen, — Detroit, Mich.

Marvel, Frederick William, B.P. (*Brown Univ.*), *Instructor in Physical Culture, Brown Univ.* — Rehoboth.

Maxwell, Juliette, A.B. (*Indiana Univ.*), *Director of Women's Gymnasium, Indiana Univ.* — Bloomington, Ind.

Merrill, William Bradford, *Assistant Instructor, Providence Athletic Association,* — Providence, R. I.

Merritt, Joseph Elbridge, *Physical Instructor, Y. M. C. A.* — Quincy.

Moulton, Frances, *Director of Physical Training, Coates College,* — Hay Springs, Neb.

Neal, May Ethel, *Elocution Teacher, Cumnock's School of Oratory* (*Northwestern Univ.*), — Mossville, Ill.

Newcomb, Virginia, *Private School,* — Boston.

Newhall, Charles Watson, A.B. (*Johns Hopkins Univ.*), *Instructor in Mathematics, Shattuck Military School, Fairbault, Me.* — Galena, Ill.

Palmatier, Eliza Jane, *Teacher, Physical Training,* — Milwaukee, Wis.

Putnam, John, *Teacher,* — Philadelphia, Pa.

Rich, Jacob Monroe, B.M., C.E., M.D. (*Columbia Coll.*), — New York, N. Y.

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Sayer, Albert Derby, *Commandant, Jarvis Hall Military Academy*, Denver, Colo.
Schetky, Mary Elizabeth, *Teacher of Physical Culture, Private Schools and Classes*, Philadelphia, Pa.
Schröder, Alice Dorethea, *Teacher in Private Gymnasium*, Eastport, Me.
Simpson, Burton Thorne, *Physical Director, Y. M. C. A.* Watertown, N. Y.
Stevens, Cora Mabelle, Milwaukee, Wis.
Taylor, Alice Maude, *Teacher of Elocution and Physical Expression, Private Schools and Private Studio*, Philadelphia, Pa.
Taylor, Mabel Hamilton, A.B. (*Normal Coll., New York, N. Y.*), *Teacher in Public Schools*, New York, N. Y.
Turner, Amita Juburness, *Instructor of Physical Training, Public Schools*, Washington, D. C.
Weicksel, Amelia, M.E. (*Kutztown, Pa.*), *Teacher, Sanatory Gymnasium, Washington, D. C.* Line Mountain, Pa.
Whitney, Margaret Blanchard, *Dr. Sargent's Normal School of Physical Training*, Watertown.
Wilder, Gertrude, Flint, Mich.
Young, Harriet Packard, *Assistant Teacher, State Normal School, Farmington, Me.* Rockland, Me.

*Course in Practice.*

Anderson, Lucy J., *Teacher of Physical Training*, Cambridge.
Babcock, Helen Louise,
Barrett, George Washington, *Assistant Physical Director, Y. M. C. A.* Buffalo, N. Y.
Blackwell, Helen Louise, *Instructor, Women's Gymnasium, Boston University and College of Oratory*, Newton.
Brainard, Bessie Frances Grim, Cambridge.
Brodhead, Hugh Wilfred, *Physical Director, Y. M. C. A.* Milford, Pa.
Carter, Sara Evelyn, *Student, Dr. Sargent's Normal School of Physical Training*, Washington, D. C.
Clark, Robert Anderson, A.B. (*Williams Coll.*), M.D. (*Univ. of Vermont*), *Adjunct. Professor and Director of Gymnasium, University of Nebraska*, Lincoln, Neb.

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|---|---|
| Pierce-Clark, May Marchant, *Assistant in Physical Training and Instructor of Elocution, Kansas University*, | Lawrence, Kan. |
| Couch, Oscar Roberts, *Student, Boston University Medical School*, | Pittsfield. |
| Day, Janet Bell, *Teacher of Elocution and Physical Training*, | Janesville, Wis. |
| Dodge, Fred Herbert, A.B. (*Yale Univ.*), *Instructor, Univ. of Illinois*, | Bangor, Me. |
| Ely, Elizabeth Antoinette, A.M. (*Univ. of Cincinnati*), *Instructor in Greek and Latin, Hampton College*, | Louisville, Ky. |
| Finneran, Patrick Joseph, *Instructor, Chicago Athletic Club*, | Jamaica Plain. |
| Frost, Frederic Worthen, A.B. (*Wesleyan Univ.*), *Professor of French and Instructor in Athletics, Shady Side Academy, Pittsburgh, Pa.* | Potsdam, N. Y. |
| Groth, Herman, M.G. (*Germ.-Amer. Gym. Normal Sch., Milwaukee, Wis.*), *Teacher of Gymnastics, Allegheny Turn Verein*, | Allegheny, Pa. |
| Hack, Mary Barbara, *Student, Missouri State Univ.* | Columbia, Mo. |
| Hamilton, Edna Dow, *Student, Dr. Sargent's Normal School of Physical Training*, | Exeter, N. H. |
| Keller, Helene, | Cobleskill, N. Y. |
| MacDuffee, Anna Sophia, *Student, Dr. Sargent's Normal School of Physical Training*, | Bradford, Vt. |
| Munford, Jennie Beverley, *Teacher of Physical Education, Virginia Female Institute, Staunton*, | Richmond, Va. |
| Newman, Anna Warbasse, *Teacher*, | Evanston, Ill. |
| Nicolai, Sophie Joan, *Teacher, Educational Alliance*, | New York, N. Y. |
| Noonan, Margaret Anna, *Teacher*, | Providence, R. I. |
| O'Donnell, Madeleine Teresa, *Student, Dr. Sargent's Normal School of Physical Training*, | Boston. |
| Pollard, David Wright, *Physical Director, Y. M. C. A.* | Pawtucket, R. I. |
| Richards, Caroline Frances, *Teacher, Providence Athletic Association*, | Providence, R. I. |
| Rockefeller, Oscar Teal, *Physical Director, 26th Ward Branch, Brooklyn Y. M. C. A.* | Brooklyn, N. Y. |
| Sanborn, Laura Wadleigh, *Physical Instructor, Providence (R. I.) Y. W. C. A.* | Exeter, N. H. |
| Schmitt, Louis, M.G. (*North American Sem. for Phys. Cult., Milwaukee, Wis.*), *Physical Instructor, German Workingmen's Association*, | Roxbury. |

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|---|---|
| Stroud, Frank Haviland, *Physical Director, Lowell Y. M. C. A.* | Bournemouth, Eng. |
| Tobias, Eleanore, *Teacher, Public Schools,* | Everett, Pa. |
| Thomas, Edwin Stanton, *Physical Director, Y. M. C. A.* | Mobile, Ala. |
| Townsend, Henry Anthony, | Portland, Ore. |
| West, Marion, *Teacher,* | Somerville. |
| Wilbur, Helen Leora, *Assistant Teacher, A. P. Hoyt Grammar School,* | E. Providence, R. I. |
| Wyatt, Edward Clarence, | Somerville. |

## COURSES AT THE MEDICAL SCHOOL.

During the summer of 1895, courses, chiefly clinical, were given by the instructors of the Medical School to the following-named students: —

STUDENTS.

| | |
|---|---|
| Adams, William Gray, | Hyde Park. |
| Allen, Freeman, A.B. 1893, | Boston. |
| Allen, Seabury Wells, A.B. 1891, | Boston. |
| Badger, George Sherwin Clark, A.B. (*Yale Univ.*) 1892, | Boston. |
| Baketel, Harrie Sheridan, M.D. (*Dartmouth Coll.*) 1895, | Hanover, N. H. |
| Bartlett, Joseph Charles, A.B. (*Yale Univ.*) 1892, A.M. (*Ibid.*) 1894, M.D. (*Ibid.*) 1895, | New Haven, Conn. |
| Blodgett, John Hammond, | Boston. |
| Breneman, Henry Kendig, | San Antonio, Texas. |
| Broughton, Arthur Nicholson, A.B. 1893, | Jamaica Plain. |
| Butler, Henry Rutherford, A.M. (*Lincoln Univ.*) 1887, M.D. (*Meharey Med. Coll.*) 1890, | Atlanta, Ga. |
| Carroll, Thomas Francis, | Roxbury. |
| Catlin, Sanford Robinson, PH.B. (*Beloit Coll.*) 1893, | Rockford, Ill. |
| Chamberlain, Weston Percival, A.B. (*Bowdoin Coll.*) 1893, | Bristol, Me. |
| Clark, Joseph Eddy, M.D. 1882, | Medford. |
| Collin, Carl Oscar Louis, | Boston. |
| Connolly, John Matthew, A.M. (*Holy Cross Coll.*) 1892, | Waterbury, Conn. |
| Conroy, Peter John, M.D. (*Univ. of Vt.*) 1882, | Everett. |
| Cooley, Thomas Benton, M.D. (*Univ. of Mich.*) 1895, | Boston. |
| Craig, William Fairfield, PH.B. (*Mass. Coll. of Pharm.*) 1890, | Lynn. |
| Cutler, Edward Rowland, M.D. 1863, | Waltham. |

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Cutler, James Tucker, M.D. 1894, Roxbury.
Daly, William Joseph, M.D. 1895, Boston.
Davis, William Horace, A.B. 1893, Holyoke.
Donoghue, Francis Dennis, M.D. 1894, Boston.
Easton, Elwood Tracy, Rockland.
Emery, George Edwin, Leominster.
Fitzsimmons, Philip Mansfield, M.D. (*Univ. of Vermont*) 1892, E. Cambridge.
Foss, John William, M.D. (*Am. Health Univ.*) 1894, Boston.
Friedman, Leo Victor, Toledo, O.
Furfey, James Austin, D.M.D. 1895, Beverly.
Gallison, Jefferson Cushing, M.D. (*Univ. of Mich.*) 1888, Boston.
Gordinier, Hermon Camp, M.D. (*Albany Med. Coll.*) 1886, A.M. (*Williams Coll.*) 1893, Albany, N. Y.
Gilbert, Louis Whitmore, A.B. 1893, Cambridge.
Gleason, Benjamin Whitney, B.L. (*Norwich Univ.*) 1892, Brookline.
Gray, Hugh Barr, Boston.
Greene, Charles Lyman, M.D. (*Univ. of Minn.*) 1890, St. Paul, Minn.
Haines, Ignatius, Cambridge.
Harvey, John Franklin, Jr., Boston.
Hawkins, Joseph Francis, Providence, R. I.
Hinckley, Donald Rose, A.B. (*Yale Univ.*) 1892, Northampton.
Holmes, H. C., Boston.
Huck, Marie Estelle, Austin, Texas.
Knight, Charles Storer, Deering, Me.
Lakeman, Mary Ropes, M.D. (*Boston Univ.*) 1895, Salem.
Langdon, Francis Eustis, Portsmouth, N. H.
Lawbaugh, Elmer Arthur, PH.B. (*Yale Univ.*) 1893, M.D. (*Ibid.*) 1895, New Haven, Conn.
Lawrence, Joseph Henry, M.D. (*Bellevue Med. Coll.*) 1892, Brockton.
Leary, Timothy, Jr., Waltham.
Littig, Marquis, D.M.D. 1895, Davenport, Iowa.
McCarthy, Thomas Horatio, M.D. 1890, Brockton.
McCormick, Cornelius Joseph, M.D. 1876, Waltham.
McDonnough, Raimond Edgar, Bath, Me.
McKenna, James Thomas, A.M. (*Williams Coll.*), 1887, Boston.
McKenty, John Edmund, M.D. (*McGill Coll.*) 1892, Waltham.
McKey, Charles, E. Boston.
McLaren, Alexander Lorne, E. Boston.

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| No. | Subject. | Instructor. | Place. | No. of Exercises. | Begins. | Ends. | Days. | Hour. | Fee. |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Anatomy of the Brain | Dr. Dexter | Medical School | 12 | July 1 | July 26 | Mo. We. Fr. | 10 | 20.00 |
| 2 | Anatomy of the Ear [a] | Dr. Bryant | Medical School | 13 | Aug. 2 | Aug. 30 | Mo. We. Fr. | 2 | 20.00 |
| 3 | Histology and Microscopy [b] | Dr. Ames | Medical School | 18 | July 15 | Aug. 16 | Mo. We. Fr. | 3 | 20.00 |
| 4 | Clinical Microscopy [a] | Dr. Whitney | Mass. Gen. Hosp. | 17 | June 1 | June 29 | Tu. We. Fr. Sat. | 11.30 | 15.00 |
| 5 | Clinical Microscopy | Dr. Whitney | Mass. Gen. Hosp. | 18 | July 1 | July 31 | Tu. We. Fr. Sat. | 11.30 | 15 00 |
| 6 | Clinical Microscopy | Dr. Whitney | Mass. Gen. Hosp. | 16 | Sept. 3 | Sept. 28 | Tu. We. Fr. Sat. | 11.30 | 15.00 |
| 7 | Chemistry [c] [d] | Dr. Hills | Medical School | 30 | June 24 | July 27 | Daily | 10 | 30.00 |
| 8 | Medical Chemistry [d] [e] | Dr. Ogden | Medical School | 30 | July 1 | Aug. 3 | Daily | 1 | 30.00 |
| 9 | Pathological Anatomy [f] | Dr. Taylor | Medical School | 14 | July 1 | July 31 | Mo. We. Fr. | 3 | 20.00 |
| 10 | Pathology of Infectious Diseases [a] | Dr. Wright | Medical School | 27 | June 20 | July 20 | Daily | 2 | 25.00 |
| 11 | Clinical Medicine | Dr. Gannett | Mass. Gen. Hosp. | 21 | July 1 | Aug. 16 | Mo. We. Fr. | 9 | 20.00 |
| 12 | Clinical Medicine | Dr. Gannett | Mass. Gen. Hosp. | 19 | Aug. 19 | Sept. 30 | Mo. We. Fr. | 9 | 20.00 |
| 13 | Clinical Medicine | Dr. Withington | City Hospital | 13 | Sept. 2 | Sept. 30 | Mo. We. Fr. | 10.30 | 15.00 |
| 14 | Clinical Medicine [a] [g] | Dr. Vickery | Mass. Gen. Hosp. | 12 | June 3 | June 23 | Mo. We. Fr. | 10 | 15.00 |
| 15 | Clinical Medicine | Dr. Bowditch | City Hospital | 16 | June 4 | July 26 | Tu. Fr. | 10 | 20.00 |
| 16 | Orthopedic Surgery | Dr. Bradford | Children's Hosp. | 18 | July 1 | Aug. 23 | Mo. We. | 4 | 20.00 |
| 17 | Clinical and Operative Surgery | Dr. Mixter | Mass. Gen. Hosp. | 25 | June 4 | July 30 | Tu. Th. Sat. | 11 | 25.00 |
| 18 | Clinical and Operative Surgery | Dr. Mixter | Mass. Gen. Hosp. | 25 | Aug. 1 | Sept. 26 | Tu. Th. Sat. | 11 | 25.00 |
| 19 | Clinical and Operative Surgery [a] | Dr. Monks | City Hospital | 13 | Aug. 2 | Aug. 30 | Mo. We. Fr. | 10 | 20.00 |
| 20 | Clinical and Operative Surgery [a] | Dr. Monks | City Hospital | 13 | Sept. 2 | Sept. 30 | Mo. We. Fr. | 10 | 20.00 |

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|---|---|---|---|---|---|---|---|---|---|
| 21 | Genito-Urinary Surgery | Dr. Watson | City Hospital | 13 | June 1 | June 29 | Tu. Th. Sat. | 11 | 20.00 |
| 22 | Clinical and Operative Surgery [a] | Dr. Conant | Carney Hospital | 20 | July 3 | Aug. 16 | Mo. We. Fr. | 10 | 25.00 |
| 23 | Clinical and Operative Surgery [a] | Dr. Conant | Carney Hospital | 19 | Aug. 19 | Sept. 30 | Mo. We. Fr. | 10 | 25.00 |
| 24 | Clinical and Abdominal Surgery [a] | Dr. Conant | Charity Hospital | 13 | June 6 | July 30 | Tu. Th. | 10 | 25.00 |
| 25 | Clinical and Abdominal Surgery [a] | Dr. Conant | Charity Hospital | 17 | Aug. 1 | Sept. 26 | Tu. Th. | 10 | 25.00 |
| 26 | Intubation of the Larynx [a h n] | Dr. Scudder | Medical School | 3 | July | Aug. | | | 10.00 |
| 27 | Surg. Apparatus and Bandaging [a i n] | Dr. Scudder | Medical School | 10 | July 8 | July 18 | Daily | | 15.00 |
| 28 | Minor Surgery | Dr. C. A. Porter | Mass. Gen. Hosp. | 13 | July 2 | July 30 | Tu. Th. Sat. | 10 | 20.00 |
| 29 | Minor Surgery | Dr. C. A. Porter | Mass. Gen. Hosp. | 13 | Aug. 2 | Aug. 30 | Mo. We. Fr. | 10 | 20.00 |
| 30 | Minor Surgery | Dr. C. A. Porter | Mass. Gen. Hosp. | 12 | Sept. 3 | Sept. 28 | Tu. Th. Sat. | 10 | 20.00 |
| 31 | Minor Surgery | Dr. Brooks | Mass. Gen. Hosp. | 14 | July 1 | July 31 | Mo. We. Fr. | 10 | 15.00 |
| 32 | Minor Surgery | Dr. Brooks | Mass. Gen. Hosp. | 14 | Aug. 1 | Aug. 31 | Mo. Th. Sat. | 10 | 15.00 |
| 33 | Minor Surgery | Dr. Brooks | Mass. Gen Hosp. | 13 | Sept. 2 | Sept. 30 | Mo. We. Fr. | 10 | 15.00 |
| 34 | Clinical Obstetrics | Dr. Green | Lying-in Hosp. | 45 | June 1 | July 31 | | | 30.00 |
| 35 | Clinical Obstetrics | Dr. Green | Lying-in Hosp. | 45 | Aug. 1 | Sept. 30 | | | 30.00 |
| 36 | Clinical Obstetrics [a] | Dr. Townsend | Lying-in Hosp. | 8 | Sept. 2 | Sept. 27 | Mo. Fr. | 12 | 15.00 |
| 37 | Clinical Obstetrics [a] | Dr. Haven | Lying-in Hosp. | 9 | July 1 | July 29 | Mo. Fr. | 11 | 15.00 |
| 38 | Operative Obstetrics | Dr. Haven | Medical School | 11 | July 8 | July 19 | Daily | 4 | 20.00 |

[a] Class-membership limited. [b] A small charge will be made for laboratory supplies.
[c] A satisfactory examination passed at the end of this course will be accepted in place of the admission examination in Chemistry.
[d] A deposit of five dollars will be required to meet charges for supplies and broken apparatus.
[e] Each exercise is of two hours' duration. [f] Of the Nervous System only. [g] Men and Children only.
[h] Practice on cadaver. [i] Fractures and dislocations especially included. [n] Time of exercises to be arranged later.

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| No. | Subject. | Instructor. | Place. | No. of Exercises. | Begins. | Ends. | Days. | Hour. | Fee. |
|---|---|---|---|---|---|---|---|---|---|
| 39 | Diseases of Children [i] | Dr. Buckingham | Children's Hosp. | 18 | June 1 | July 30 | Mo. Th. Sat. | 10 | 20.00 |
| 40 | Diseases of Children [k] | Dr. Wentworth | Children's Hosp. | 18 | Aug. 1 | Sept. 28 | Daily | 10 | 20.00 |
| 41 | Diseases of the Ear | Dr. Blake | Eye and Ear Inf. | 12 | Sept. 3 | Sept. 28 | Tu. Th. Sat. | 9 | 12.00 |
| 42 | Diseases of the Eye [a] | Dr. Standish | Eye and Ear Inf. | 13 | July 2 | July 30 | Tu. Th. Sat. | 10 | 20.00 |
| 43 | Diseases of the Eye | Dr. Cheney | Eye and Ear Inf. | 22 | June 12 | July 31 | Mo. We. Fr. | 9 | 20.00 |
| 44 | Diseases of the Larynx | Dr. Farlow | City Hospital | 13 | June 3 | July 12 | Mo. We. Fr. | 10 | 20.00 |
| 45 | Diseases of the Nervous System | Dr. Walton | Mass. Gen. Hosp. | 12 | Sept. 3 | Sept. 28 | Tu. Th. Sat. | 10 | 20.00 |
| 46 | Diseases of the Skin | Dr. Bowen | Mass. Gen. Hosp. | 20 | July 2 | Aug. 15 | Tu. Th. Fr. | 10 | 20.00 |
| 47 | Diseases of the Skin | Dr. Bowen | Mass. Gen. Hosp. | 20 | Aug. 15 | Sept. 27 | Tu. Th. Fr. | 10 | 20.00 |
| 48 | Diseases of Women | Dr. Haven | City Hospital | 12 | Sept. 3 | Sept. 28 | Tu. Th. Sat. | 10 | 20.00 |
| 49 | Diseases of Women | Dr. Washburn | Women's Free Hos. | 12 | July 1 | Aug. 8 | Mo. Th. | 3.30 | 20.00 |
| 50 | Diseases of Women | Dr. Washburn | Women's Free Hos. | 12 | Aug. 12 | Sept. 19 | Mo. Th. | 3.30 | 20.00 |
| 51 | Diseases of Women [a m] | Dr. Burrage | St. Elizabeth's Hos. | 13 | June 3 | July 15 | Mo. Th. | 10 | 25.00 |
| 52 | Diseases of Women [a m] | Dr. Burrage | St. Elizabeth's Hos. | 13 | July 18 | Aug. 29 | Mo. Th. | 10 | 25.00 |
| 53 | Bacteriology [a] | Dr. Ernst | Medical School | 36 | July 1 | Aug. 10 | Daily | 3 | 30.00 |
| 54 | Hygiene | Dr. C. Harrington | Medical School | 36 | July 1 | Aug. 10 | Daily. | 3 | 30.00 |
| 55 | Municipal Sanitation | Dr. Durgin | Medical School | 14 | July 1 | July 31 | Mo. We. Fr. | 3 | 20.00 |
| 56 | Practical Therapeutics [a] | Dr. Tenney | Boston Dispensary | 20 | July 8 | Aug. 21 | Mo. We. Fr. | 10 | 20.00 |
| 57 | Clinical Pathology | Dr. E. W. Dwight | City Hospital | 14 | Aug. 1 | Aug. 31 | Tu. Th. Sat. | 10 | 15.00 |
| 58 | Clinical Pathology | Dr. E. W. Dwight | City Hospital | 12 | Sept. 3 | Sept. 28 | Tu. Th. Sat. | 10 | 15.00 |

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|---|---|---|---|---|---|---|---|---|---|
| 59 | Clinical and Abdominal Surgery | Dr. Elliot | Mass. Gen. Hosp. | 21 | June 3 | July 19 | Mo. We. Fr. | 11 | 15.00 |
| 60 | Clinical Surgery | Dr. F. B. Harrington | Mass. Gen. Hosp. | 18 | July 2 | Aug. 30 | Tu. Fr. | 11 | 20.00 |
| 61 | Surgery of Children [a] | Dr. Lovett | Children's Hosp. | 13 | Aug. 17 | Oct. 1 | Tu. Sat. | 4 | 20.00 |
| 62 | Genito-Urinary Surgery [a] | Dr. Thorndike | City Hospital | 13 | Aug. 2 | Aug. 30 | Mo. We. Fr. | 10 | 20.00 |
| 63 | Genito-Urinary Surgery [a] | Dr. Thorndike | City Hospital | 13 | Sept. 2 | Sept. 30 | Mo. We. Fr. | 10 | 20.00 |
| 64 | Practical Pharmacy [c] | Dr. C. Harrington and Mr. Jordan | Medical School | 12 | July 1 | July 26 | Mo. We. Fr. | 4 | 20.00 |
| 65 | Practical Pharmacy [c] | | Medical School | 12 | July 29 | Aug. 23 | Mo. We. Fr. | 4 | 20.00 |
| 66 | Pathological Histology | Dr. Mallory | Medical School | 25 | July | Aug. | n | n | 20.00 |
| 67 | Pathological Anatomy | Dr. Mallory | City Hospital | 20 | July 20 | Aug. 20 | n | n | 20.00 |

[a] Class-membership limited. [c] Each exercise is of two hours' duration.

[j] A course will be of six weeks' duration and the class may be joined at any time before June 20.

[k] A course comprises eighteen exercises and the class may be joined at any time before August 19.

[l] Minor Gynecology. [m] Operative Gynecology. [n] Time of exercises to be arranged later.

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Madden, William Daniel, A.B. (*Mt. St. Mary's Coll.*) 1891, M.D. 1894, Boston.
Maguire, Charles Francis, A.B. (*Boston Coll.*) 1893, Somerville.
Mansfield, James Albert, PH.G. (*Mass. Coll. of Pharm.*) 1889, Roxbury.
Marvin, Grace, M.D. (*Boston Univ.*) 1890, Roxbury.
Merrill, Stephen Douglas, Boston.
Mitchell, Arthur, M.D. (*Boston Univ.*) 1886, Medfield.
Moore, John Henry, Pittsfield, Ill.
Mosher, Harris Peyton, A.B. 1892, Brookline.
Odiorne, Walter Burlingame, Cambridge.
O'Sullivan, John Joseph, Lawrence.
Pearce, Edward Allen, A.B. 1888, M.D. 1892, Boston.
Peirce, Frederic Joseph, Atlantic.
Randall, Arthur Theodore, M.D. (*Chicago Med. School*) 1895, Chicago.
Reilly, James Aloysius, So. Boston.
Rice, Alger William, M.D. (*Univ. of N. Y.*) 1880, Montpelier, Vt.
Ringwalt, John Scheaffer, Jr., Boston.
Robins, Charles Russell, M.D. (*Med. Coll. of Va.*) 1894, Chelsea.
Rustin, Frederick, PH.B. (*Yale Univ.*) 1895, Omaha, Neb.
Ryerson, Edwin Warner, Chicago, Ill.
Silbert, Joseph, Boston.
Smith, William Henry, A.B. (*Brown Univ.*) 1892, Boston.
Smyth, Herbert Edmund, M.D. (*McGill Univ.*) 1885 Marlboro'.
Spalding, Fred Maurice, A.B. 1893, Cambridge.
Spooner, Henry Garrettson, A.B. 1894, Boston.
Stack, Charles Francis, A.B. (*Boston Coll.*) 1892, Hyde Park.
Stetson, Frank Eliot, A.B. 1893, New Bedford.
Stubbs, Frank Raymond, A.B. 1893, Cambridgeport.
Tirrell, Vinson Meader, PH.G. (*Mass. Coll. of Pharm.*) 1887, M.D. (*Coll. of Phys. and Surg.*) 1882, So. Weymouth.
Walton, William Joseph, D.M.D. 1894, Dorchester.
Welch, Harry Little, B.A. (*Yale Univ.*) 1894, New Haven, Conn.
White, Leon Edward, A.B. (*Dartmouth Coll.*) 1890, M.D. (*Ibid.*) 1893, Roxbury.
Whittier, Frank Nathaniel, A.B. (*Bowdoin Coll.*) 1885, A.M. (*Ibid.*) 1888, M.D. (*Ibid.*) 1889, Brunswick, Me.
Whiteside, George Shattuck, Boston.

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## COURSES AT THE DENTAL SCHOOL.

During the summer of 1895 courses were given by the instructors of the Dental School. Commencing August 12, and continuing four weeks, a course of twenty lectures was given. The Infirmary of the School was open during the summer where instruction and opportunity for practice was offered to all reputable practitioners of dentistry and to advanced students.

Fee for whole course, including Infirmary practice, $50. To those who continue as students through the year one-half of the fee will be remitted.

A similar course will be given in the summer of 1896. For further informatation address, Professor EUGENE H. SMITH, *Dean*, 283 Dartmouth St., Boston.

STUDENTS.

| | |
|---|---|
| Bell, John, | Boston. |
| Horne, Robert Gilkey, | Watertown. |
| Miller, Russell Byron, | Rockland, Me. |
| Moore, Frank Holmes, | Calais, Me. |
| Smith, Frederick Lee, | Boston. |
| Snyder, Charles Edward, | Lowell. |
| Thompson, James Albert, | Whitman. |
| Turner, Henry Herbert, | N. Berwick, Me. |

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## COURSES AT THE ARNOLD ABORETUM.

In the spring and autumn of 1895 Mr. J. G. JACK conducted a series of Lectures and Field Meetings on Wednesday afternoons and on Saturday mornings for the purpose of supplying popular instruction about the Trees and Shrubs which grow in New England. There were eighty-seven persons attending these courses during the year.

The instruction given in these meetings is technical, and a knowledge of descriptive botany is not essential for persons who wish to follow them. The intention is to indicate by comparison the easiest means of distinguishing the common native trees and shrubs as they appear in this part of the country, and of recognizing the foreign species which have been introduced into our gardens. The ornamental and useful properties of these trees and shrubs, their habits of growth, and other peculiarities may be considered; and the different species or groups are studied as they blossom, whenever this course is practicable.

The fee for either the spring or autumn course is $6.00, payable in advance. The courses are open to both men and women.

Similar courses will be given in 1896.

Applications or further inquiries may be addressed to Mr. J. G. JACK, Jamaica Plain, Mass.

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# EXAMINATIONS FOR WOMEN.*

## TWENTY-THIRD YEAR.

Examinations for Women will be held, under the direction of the Faculty of Arts and Sciences of Harvard University, in New York, on Tuesday, Thursday, Friday, and Saturday, June 23, 25, 26, and 27, 1896.

The studies which form the subjects of these examinations, are identical with those of the examinations for admission to Harvard College (see p. 202); the time and method of examination are the same and the same papers are used.

A certificate will be given to any candidate who in any year passes satisfactorily the examinations on any studies in the list (on which she has not previously passed) which occupy in the aggregate not less than *five hours* on the examination programme.† If the candidate fail to pass on studies occupying five hours, she will receive no certificate, and no account will be made of the examination.

A candidate who passes the examinations in accordance with the terms prescribed for admission to the Freshman Class of Harvard College, will receive a special certificate, bearing the signature of the President of the University. A candidate for this certificate may pass the whole examination at one time; or she may pass a part of it (not less than five hours) in one year, and take the remainder in some subsequent year. The examination cannot be divided into more than two parts; but a candidate who has failed at her second examination in a small number of studies

* The arrangements here described for the admission of women to Harvard examinations will be discontinued after the examinations of 1896, in accordance with the following votes of the President and Fellows of Harvard College, passed June 10, 1895:—

"Whereas, in view of the relations now established between Harvard University and Radcliffe College, it is expedient that Harvard examinations should be open to women only through the medium of Radcliffe College, *Voted*,

(1) "That Radcliffe College be authorized to provide in Cambridge and (with the approval of the President of the University) in other places where Harvard examinations are held, arrangements by which women may take those examinations; to submit the work of its candidates to the committee of the Faculty of Arts and Sciences on Admission Examinations; and to certify the results to the candidates; provided that Radcliffe College shall assume the entire expense of these arrangements, charging its candidates such fees as may be deemed equitable.

(2) "That the certificate of the President of the University, hitherto given to successful candidates in the Examinations for Women, be discontinued after the examinations of 1896, and that Radcliffe College be authorized to grant a similar certificate."

For further information address the *Regent of Radcliffe College, Cambridge, Mass.*

† See p. 215.

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may be allowed another examination in these for the purpose of making up her deficiency.

The certificate given to a candidate who passes the examinations in accordance with the terms prescribed for admission to Harvard College entitles her to admission to the Freshman Class of Radcliffe College. It is also accepted, if presented within one year of its date, by Vassar and Wellesley Colleges, as the equivalent for examinations in such subjects as are covered by it.

The arrangements for the examinations are in charge of a local committee. Notice of intention to take the examinations must be sent to the local secretary on or before May 1, and exact notice of the place and hour of examination will be sent to every candidate who has complied with this requirement, on June 1. Candidates will be informed of the results of their examinations by the local secretary about July 15.

The fee for the examination is, for the first year, *ten dollars;* for each subsequent year, *five dollars.*

Board and lodging will be provided at a moderate cost for those who need such accommodation, and young women in narrow circumstances will be aided in meeting the cost of the examinations. Applicants for aid should address the local secretary, stating their circumstances fully, the amount of help which they need, the kind of assistance which they would prefer, — whether a remission of fees, a loan, or gratuitous board and lodging during the examinations, — and enclosing certificates of scholarship and character from their teachers. If an applicant is under twenty-one years of age, her application must be accompanied by the written approval of her parent or guardian.

The New York Local Committee offer for competition in 1896 two scholarships, one of three hundred dollars and one of two hundred dollars. The competition is open to any candidate passing the examinations in New York in accordance with the terms prescribed for admission to the Freshman Class of Harvard College, who has not previously presented herself more than once for examination, and who intends to spend the following year at some college approved by the committee; provided, however, that no person shall be a candidate who has already been admitted to any class, higher than the Freshman class, in any college. Notice of intention to compete for a scholarship must be sent to the Secretary of the New York Local Committee on or before May 1, 1896.

Specimen examination-papers, and a pamphlet containing a statement of requirements, will be forwarded to any address; and any further information which may be desired will be gladly furnished by the local secretary. Her address is: —

SECRETARY OF THE NEW YORK LOCAL COMMITTEE,
*32 East Thirty-third Street, New York, N. Y.*

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In 1895, certificates of having completed the examinations were granted to the following candidates: —

| NAME. | SCHOOL. | PRINCIPAL OF SCHOOL. |
|---|---|---|
| Marian Dickinson Campbell, *Middlefield, Conn.* | Private School, *New Haven, Conn.* | Miss M. S. Johnstone. |
| Marian Curtis, *Far Rockaway, N. Y.* | Brearley School, *New York, N. Y.* | Mr. J. G. Croswell. |
| Helena T. Emerson, *New York, N. Y.* | Miss Gibbons' School, *New York, N. Y.* | Mrs. S. H. Emerson. |
| Ethel Belden Ketcham, *Dover Plains, N. Y.* | Private School, *New York, N. Y.* | Miss Annie Brown. |
| Elizabeth Peet, *Hammonton, N. J.* | Private School, *New York, N. Y.* | Miss Jaudon. |

## WINNERS OF THE NEW YORK SCHOLARSHIPS.

1895.

1. Marian Dickinson Campbell. 2. Ethel Belden Ketcham.

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# SCHOOLS EXAMINATION BOARD.

The Members of the Board for 1895–96 are: — President ELIOT, Professor CHARLES F. DUNBAR, Professor A. S. HILL, Professor EPHRAIM EMERTON, Mr. WILLIAM C. COLLAR, *Head-Master of the Roxbury Latin School*, Hon. FRANK A. HILL, *Secretary of the State Board of Education, Boston*, and Assistant Professor PAUL H. HANUS. Professor HANUS is Secretary of the Board.

Under the direction of this Board the regular work of instruction in any school — public, endowed, or private — of a grade to prepare boys for Harvard College or the Lawrence Scientific School, will, on request, be thoroughly examined. An examination may cover the entire work of a school, or only the work in a department or departments to be specified by the person or persons inviting the examination.

Examinations may be invited by the Master of a public school with the approval of the Superintendent if there be any; by the Master or Principal of an endowed school or academy with the approval of some appropriate officer of the Board of Trustees; and by the Master of a private school.

The examinations are directed to ascertaining the aims and organization of the school, its methods of instruction, discipline, and physical training, the proportionate attention given to each study, the quality and range of the books used, and the quality and quantity of the apparatus.

The examinations may or may not cover methods of discipline outside of the school rooms, and do not cover religious instruction, sanitary condition, or arrangements for boarding and lodging pupils.

A written report is made by the Board to the Master or Principal of the school examined. This report is not to be published by either party. It may be used confidentially in the University Committees on Admission, in the Board of Trustees of an endowed school or academy, and by the Superintendent of Schools, if there be any, in the case of a public school. No report or record is made concerning the attainments of individual pupils.

To make a complete examination of a school which has a comprehensive programme of studies, six examiners are ordinarily required — one for each of the following subjects, — Classics, Mathematics, Natural Science, History, English, other modern languages; and if the number of pupils be large, assistants for the principal examiners may also be required. The examinations in these different departments need not be simultaneous, and in most cases would not be. For any particular school the Board, if requested, will state beforehand how many examiners or assistants will be needed for either a complete or a partial examination.

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The examinations are held at the convenience of the Board at some time between November 1st and June 1st. Applications for such examinations should be made not later than January 1st. The Board is at liberty to decline an invitation to examine or re-examine a school.

The school examined pays the travelling expenses of the examiners and of their assistants if there be any, $10 for every period of twenty-four hours or fraction thereof that each examiner is absent from the University, and $5 for every period of twenty-four hours or fraction thereof that each assistant is absent from the University. When thoroughly informed of the programme of studies in the school inviting examination, of its number of pupils, of the scope of the examination desired, and of its hour-distance from Boston, the Board will furnish beforehand an approximate estimate of the cost of the examination over and above travelling expenses.

A list of the schools examined, with the dates of the examinations and the departments in which they were examined, will be printed in each successive annual Catalogue, accompanied by a statement that this publication conveys no information in respect to the results of the examination.

All communications on this subject should be addressed to Professor PAUL H. HANUS, *Secretary of the Schools Examination Board*, Harvard University, Cambridge, Mass.

One school was examined in 1894–95, namely:

Utica Free Academy, Utica, N. Y.

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# THE UNIVERSITY CHAPEL.

FRANCIS GREENWOOD PEABODY, D.D., *Plummer Professor of Christian Morals.*

JOHN HEYL. VINCENT, D.D.
E. WINCHESTER DONALD, D.D.
SAMUEL McCHORD CROTHERS, A.B.
SIMON J. McPHERSON, D.D.
PHILIP S. MOXOM, D.D.

} *Preachers to the University for the year* 1895–96.

There have also served on this Board of Preachers since its foundation in 1886:—

EDWARD EVERETT HALE, D.D.
ALEXANDER McKENZIE, D.D.
THEODORE C. WILLIAMS, D.B.
GEORGE A. GORDON, D.D.
PHILLIPS BROOKS, D.D.
WILLIAM LAWRENCE, S.T.D.
BROOKE HERFORD, D.D.
HENRY VAN DYKE, D.D.
LYMAN ABBOTT, D.D.
CHARLES CARROLL EVERETT, D.D.
WASHINGTON GLADDEN, D.D.
LEIGHTON PARKS, D.D.
J. ESTLIN CARPENTER, A.M.

On May 10, 1886, a vote was passed by the President and Fellows "That five preachers to the University be annually appointed by the President and Fellows, with the concurrence of the Board of Overseers, who, in conjunction with the Plummer Professor of Christian Morals, shall arrange and conduct the religious services of the University." The Board of Overseers concurred in this vote on May 12, 1886, and in 1892 it was incorporated in the Statutes of the University.

On June 14, 1886, on the unanimous recommendation of the Preachers and the Plummer Professor, the President and Fellows voted "That the statute numbered 15, concerning religious exercises, be amended by striking out the clause, "at which the attendance of the students is required"; and on June 16 the Board of Overseers concurred in this vote. Attendance at the religious services of the University was thus, by the advice of those who conduct these services, made wholly voluntary.

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These services in the University Chapel are directed by the Plummer Professor and the Preachers to the University as follows: Each conducts daily morning prayers for about three weeks in the first half-year and about three weeks in the second half-year, and each preaches on four Sunday evenings. The Preacher conducting morning prayers is in attendance every morning during his term of duty at Wadsworth House 1, and is at the immediate service of any student who may desire to consult him. This arrangement puts at the disposal of the students a greater amount of pastoral service than most ministers can give to their own parishes. On Thursday afternoons from November till May, vesper services are held in the University Chapel. These services are brief (35–40 minutes), largely musical (with full male choir — 25 sopranos and altos, 16 tenors and basses), and with an address from one of the staff of Preachers. Other services on Sunday evenings are conducted by preachers of various communions by invitation of the Board of Preachers. The following preachers thus conducted services during the year 1894–95: —

Rev. Leighton Parks, D.D., of Boston.
Rev. Daniel H. Greer, D.D., of New York.
Rev. Richard Montague, D.D., of Newton.
Rev. George Hodges, D.D., of Cambridge.
Rev. Edward E. Hale, D.D., of Boston.
Rev. W. I. Rainsford, D.D., of New York.
Rev. Professor Charles A. Briggs, D.D., of New York, N. Y.
Rev. Lyman Abbott, D.D., of Brooklyn, N. Y.
Right Rev. W. C. Doane, D.D., of Albany, N. Y.
Rev. B. B. Tyler, D.D., of New York.
Rev. Floyd W. Tompkins, Jr., of Providence, R. I.

The Board of Preachers are glad to have their attention called to any cases of special need where they may be useful, or to any better methods of serving the moral and religious interests of the University. General correspondence for the current academic year should be addressed to the Plummer Professor, though any Preacher will gladly consider such questions as may be more appropriately addressed to him.

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In addition to the opportunities for worship in Appleton Chapel, seats are provided for students, at the expense of the College, in the churches of the different denominations in Cambridge. St. John's Memorial Chapel of the Episcopal Theological School having been erected for the especial accommodation of Harvard students is free to them.

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# THE UNIVERSITY LIBRARY.

## COUNCIL.

CHARLES W. ELIOT, LL.D., *President.*

FRANCIS J. CHILD, LL.D., *Professor of English.*

CHARLES ELIOT NORTON, LL.D., *Professor of the History of Art.*

CHARLES F. DUNBAR, LL.D., *Professor of Political Economy.*

JUSTIN WINSOR, LL.D., *Librarian of the University.*

CRAWFORD H. TOY, LL.D., *Professor of Hebrew.*

GEORGE L. GOODALE, M.D., LL.D., *Professor of Botany.*

MORRIS H. MORGAN, PH.D., *Assistant Professor of Greek and Latin.*

## COLLEGE LIBRARY.

JUSTIN WINSOR, LL.D., *Librarian.*

WILLIAM H. TILLINGHAST, A.B., *Assistant Librarian.*

THOMAS J KIERNAN, A.M., *Superintendent of Circulation.*

ALFRED C. POTTER, A.B., *Ordering Department.*

FRANK CARNEY, *Shelf Department.*

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JOHN H. STORER, LL.B., *Curator of Coins.*

JAMES ATKINS NOYES, A.B., *Editor of the Quinquennial Catalogue.*

WILLIAM G. BROWN, A.M., *Archives Department.*

## DEPARTMENTAL LIBRARIES.

The care of the several departmental, laboratory, and class-room libraries devolves upon some member of the faculties of the respective departments, when regular librarians have not been appointed.

CHARLES S. SARGENT, A.B., *Professor*, and *Director of the Arnold Arboretum.*

WILLIAM L. RICHARDSON, A.M., M.D., *Professor*, and *Dean of the Medical School.*

NATHANIEL S. SHALER, S.D., *Professor*, and *Dean of the Lawrence Scientific School.*

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FRANCIS H. STORER, S.B., A.M., *Professor*, and *Dean of the Bussey Institution*.

EDWARD C. PICKERING, LL.D., *Professor*, and *Director of the Astronomical Observatory*.

B. L. ROBINSON, PH.D., *Curator of the Herbarium, Botanic Garden*.

FREDERICK W. PUTNAM, S.D., *Professor*, and *Curator of the Peabody Museum*.

ROBERT S. MORISON, A.M., D.B., *Librarian of the Divinity School*.

JOHN H. ARNOLD, *Librarian of the Law School*.

FRANCES M. SLACK, *Librarian of the Zoölogical Museum*.

CHARLES H. MOORE, A.M., *Assistant Professor* and *Curator of the Fogg Art Museum*.

## LABORATORY LIBRARIES.

JOHN TROWBRIDGE, S.D., *Professor, in charge of the Physical Library*.

THEODORE W. RICHARDS, PH.D., *Assistant Professor, in charge of the Chemical Library*.

GEORGE L. GOODALE, M.D., LL.D., *Professor, in charge of the Botanical Library*.

EDWARD L. MARK, PH.D., *Professor, in charge of the Zoölogical Library*.

NATHANIEL S. SHALER, S.D., *Professor, in charge of the Geological Library*.

WILLIAM M. DAVIS, M.E., *Professor, in charge of the Physical Geography Library*.

J. E. WOLFF, PH.D., *Professor, in charge of the Mineralogical Library*.

## CLASS-ROOM LIBRARIES.

CHARLES R. LANMAN, PH.D., *Professor, in charge of the Sanskrit Library*.

ALBERT A. HOWARD, PH.D., *Assistant Professor, in charge of the Classical Library*.

GEORGE L. KITTREDGE, A.B., *Professor, in charge of the English Library*.

H. K. SCHILLING, PH.D., *Assistant Professor, in charge of the German Library*.

F. C. DE SUMICHRAST, *Assistant Professor, in charge of the French Library*.

WILLIAM JAMES, M.D., *Professor, in charge of the Philosophical Library*.

FRANCIS G. PEABODY, D.D., *Professor, in charge of the Social Questions Library*.

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EDWARD S. SHELDON, A.B., *Professor, in charge of the Romance Languages Library.*

EDWARD CUMMINGS, A.M., *Assistant Professor, in charge of the Political Economy Library.*

ALBERT B. HART, PH.D., *Assistant Professor, in charge of the United States History Library.*

JOHN K. PAINE, A.M., MUS.D., *Professor, in charge of the Library of Music.*

WILLIAM E. BYERLY, PH.D., *Professor, in charge of the Mathematical Library.*

SILAS M. MACVANE, PH.D., *Professor, in charge of the History Library.*

CRAWFORD H. TOY, LL.D., *Professor, in charge of the Semitic Library.*

CHARLES ELIOT NORTON, LITT.D., LL.D., *Professor, in charge of the Fine Arts Library.*

HERBERT L. WARREN, *Assistant Professor, in Charge of the Architectural Library.*

The College Library in Gore Hall is for the use of the whole University. All students who have given bonds may take out books, three volumes at a time, and may keep them one month. Books, reserved at the instance of officers of instruction, as collateral reading for their courses, are shelved in the Reading Rooms, with tables for consultation. Students who leave Cambridge for an absence of more than one week must first return all borrowed books.

The College Library is open every week-day, except Thanksgiving day, Christmas day, the Twenty-second of February, Memorial day, and the Fourth of July, after 9 A.M. In vacation no books are to be taken out after 2 P.M.; but the library can be used for consultation, except on Saturdays, after 2 o'clock P.M. On Sundays during term time the Library is open, for readers only, after 1 o'clock P.M.

The College Library may be consulted by all persons, whether connected with the University or not. The privilege of borrowing books is also granted, under special regulations, to persons not connected with the University. *Blanks for making applications for such use may be had of the Librarian.*

Persons entitled to use the College Library can have access to the departmental libraries by applying to the Superintendent of Circulation at Gore Hall; but such libraries are primarily for the special use of the schools and departments, and are placed in the buildings or rooms belonging to such schools and departments.

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The several libraries now contain about the following numbers of bound volumes: —

| | |
|---|---|
| Gore Hall | 334,000 |
| Lawrence Scientific School | 5,000 |
| Bussey Institution (Jamaica Plain) | 3,500 |
| Phillips Library (Observatory) | 8,000 |
| Botanic Garden (Herbarium Library) | 7,000 |
| Law School | 36,000 |
| Divinity School | 27,000 |
| Medical School (Boston) | 2,100 |
| Museum of Comparative Zoölogy | 25,000* |
| Peabody Museum | 1,500 |
| Arnold Arboretum | 5,200 |
| Fogg Museum | 23† |
| Seven laboratory and sixteen class-room libraries, | 12,087 |
| | 466,410 |

The collection of pamphlets and maps in the College Library is very large, and is estimated to be equal in number to the collection of bound volumes. The departmental libraries have also considerable numbers of pamphlet monographs on subjects connected with their specialties; and these are not included in the count of volumes. The College Library has also a collection of coins.

The catalogue of the Gore Hall Collection, including pamphlets, is on cards, accessible to the public, and consists of two parts, the one arranged by authors, the other by subjects. Printed strips of titles added to all the libraries are issued two or three times a week; and they are posted in Gore Hall and in the departmental libraries. They are also included in bound volumes of slips, kept in the Reading Room. A series of "Bibliographical Contributions," is in course of publication. Fifty of such publications have already been issued. More extensive bibliographical works constitute another series, "Special Publications," of which Scudder's "Catalogue of Scientific Serials" (1633–1876, 8vo, pp. 370) makes No. 1, published in 1879, and "An Index to the Subject Catalogue of Harvard College Library" makes No. 2, published in 1891. There has also been issued a Catalogue of the Gray Collection of Engravings (4to, 1869); but this collection has, for the present, been transferred from the Library to the Museum of Fine Arts in Boston.

The Librarian has the custody of the Archives of the University, as well as of the University Collection, which includes printed material of all sorts, illustrating the history of the College and University.

* This includes only a small part of the Whitney Collection of Geology and Geography, not yet wholly enumerated.

† In addition a large collection of photographs of Paintings, Sculpture, and Architecture, and many casts.

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# THE CHEMICAL LABORATORY.

## OFFICERS.

HENRY B. HILL, A.M., *Director*, and *Professor of Chemistry*.
CHARLES L. JACKSON, A.M., *Erving Professor of Chemistry*.
THEODORE W. RICHARDS, PH.D., *Assistant Professor of Chemistry*.
JOSEPH TORREY, JR., A.M., *Instructor in Chemistry*.
GEORGE W. COGGESHALL, PH.D., *Assistant in Physical Chemistry*.
HARRY G. PARKER, A.M., *Assistant in Quantitative Analysis*.
WILLIAM R. LAMAR, PH.B., *Assistant in Descriptive Chemistry*.
GEORGE OENSLAGER, A.B., *Assistant in Organic Chemistry*.
CHARLES A. SOCH, A.B., *Assistant in Chemistry*.
JOHN P. SYLVESTER, A.B., *Assistant in Qualitative Analysis*.
GREGORY P. BAXTER, *Assistant in Descriptive Chemistry*.
ROBERT W. FULLER, *Assistant in Descriptive Chemistry*.
FRANK L. HITCHCOCK, *Assistant in Descriptive Chemistry*.
ROBERT R. HOLLISTER, *Assistant in Descriptive Chemistry*.
FREDERICK S. WILLIAMS, *Assistant in Descriptive Chemistry*.

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The Chemical Department occupies the whole of Boylston Hall.

Boylston Hall was erected in 1857 with a fund bequeathed by the late WARD NICHOLAS BOYLSTON, which was subsequently largely increased by subscription. The hall was enlarged by the addition of a third story in 1870, and the accommodations were still further extended in 1891 and 1895. Besides several private laboratories and preparation rooms, the building contains seven large laboratories for students. A room on the upper story with ninety-eight desks is especially devoted to qualitative and descriptive work. A large laboratory at the west end is fitted with all the modern appliances for the study of organic chemistry. On the lower story a laboratory with thirty-two places is reserved wholly for quantitative work, and connected with it is a laboratory, with twelve desks, especially fitted up for advanced work in inorganic chemistry. On the same story is a room devoted to work in physical chemistry; and further a large laboratory with one hundred and twenty-eight places for

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the most elementary class. In the basement is a laboratory for work in descriptive chemistry with two hundred and thirty-two desks. On the second story are two large lecture-rooms, a reading-room, departmental library, and a chemical museum.

All the courses of instruction in Chemistry to students of Harvard College, of the Lawrence Scientific School, and of the Graduate School, are given in Boylston Hall. The laboratories are open to special students to follow any line of chemical investigation. The facilities for research are unusually great.

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# JEFFERSON PHYSICAL LABORATORY.

JOHN TROWBRIDGE, S.D., *Director.*
EDWIN H. HALL, PH.D., *Professor.*
BENJAMIN O. PEIRCE, PH.D., *Professor.*
WALLACE C. SABINE, A.M., *Assistant Professor.*
LEWIS D. HILL, A.B., *Assistant.*
WILLIAM D. COLLINS, A.B., *Assistant.*
AUTHUR DURWARD, S.B., *Assistant.*
GIFFORD LECLEAR, A.B., *Assistant.*
WILLIAM E. STARK, A.B., *Assistant.*
GEORGE W. THOMPSON, *Mechanician.*

In 1881 Mr. T. JEFFERSON COOLIDGE gave $115,000 to the College for a new physical laboratory, on condition that $75,000 should be raised by subscription and the income appropriated to its support. The building was finished in Oct., 1884, and is called the Jefferson Physical Laboratory. All the instruction in Physics, by recitations, lectures, and experimental work, to students of Harvard College, of the Lawrence Scientific School, and of the Graduate School, is given in this building, which accommodates the various physical cabinets. The building is four stories high, if the basement is included. In the eastern wing the whole height is divided between a large lecture-room below, and the great laboratory above. In the central and western portions of the building are three recitation-rooms for sections of forty or less; but the principal part of the central and western portions is broken up into a large number of small rooms, where the professors, assistants, and advanced students can pursue their separate investigations, and be secured against intrusion, or any disturbance of their instruments. In the basement and first story, stone tables, each supported by its own column of masonry, and without contact with the floors, furnish firm support for these instruments. In the centre of the western wing a large rectangular tower stands on an independent foundation, and is isolated from the surrounding rooms. It is designed for investigations which demand extraordinary stability, or a great height: as in Foucault's pendulum-experiment. Small openings have been left in the brick partitions which divide the length of the building, by means of which a long path is available for such experi-

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ments as that on the velocity of light. In the western wing, iron nails and pipes which would disturb delicate experiments in magnetism, have been carefully excluded. In the bottom of the tower, a small underground room has been excavated for experiments which require a constant temperature.

A room is devoted to the accurate measurement of electrical resistances and is provided with standard coils.

A comparator for the measurement and comparison of standards of length occupies a room in the basement of the laboratory.

The photographic room adjoins a large space on the fourth floor, which contains the rooms especially arranged for spectrum analysis. There are four principal laboratory rooms. One of these is 40x60 feet and is devoted to elementary laboratory instruction. A time wire from the Observatory is led to this room. The laboratory for advanced instruction in electricity is in the basement and is provided with instruments of the latest type. A machine room is supplied with power from a gas engine. In this room is a milling machine, a large machine lathe, a smaller lathe, and other mechanical appliances for designing and making apparatus. The machine room is under the charge of a skilled mechanician. Power can also be obtained from a twenty-five-horse-power engine which is placed in a house outside of the laboratory. This house also contains the dynamo machines.

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# THE UNIVERSITY MUSEUM

AND

# NATURAL HISTORY LABORATORIES.

The University Museum consists of the Museum of Comparative Zoölogy, the Botanical Museum, the Mineralogical Cabinet, the Natural History Laboratories, and the Peabody Museum of American Archaeology and Ethnology.

The entrance to the Museum of Comparative Zoölogy and the Peabody Museum is from Divinity Avenue. The Natural History Laboratories, the Botanical and Mineralogical Departments are entered from Oxford Street.

The Museum of Comparative Zoölogy consists of the North wing of the University quadrangle (60 x 200 feet). The Natural History Laboratories are in the N. W. corner piece of the same quadrangle (95 x 75), and in the adjoining sections of the central part of the University Museum of the Oxford Street façade.

The Botanical Museum occupies the central section of the University Museum, together with one-third of the southern sections.

The Mineralogical Museum occupies the southern section of the Oxford Street façade (60 x 60).

The S. W. corner piece will contain large Lecture Rooms and Laboratories for the Natural History Departments, and its Exhibition Rooms will connect the Oxford Street façade of the Museum with the Peabody Museum (see p. 529), which, when completed, will form the South wing of the Museum building.

## THE MUSEUM OF COMPARATIVE ZOÖLOGY.

### FACULTY.

CHARLES W. ELIOT, LL.D., *President.*
ALEXANDER AGASSIZ, LL.D., *Curator.*
JOSIAH D. WHITNEY, LL.D., *Secretary.*
GEORGE L. GOODALE, M.D., LL.D.
HENRY P. WALCOTT, A.B., M.D.

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## OFFICERS.

ALEXANDER AGASSIZ, LL.D., *Director and Curator.*
JOSIAH D. WHITNEY, LL.D., *Sturgis Hooper Professor of Geology.*
NATHANIEL S. SHALER, S.D., *Professor of Geology.*
EDWARD L. MARK, PH.D., *Hersey Professor of Anatomy.*
WILLIAM M. DAVIS, M.E., *Professor of Physical Geography.*
JOHN E. WOLFF, PH.D., *Professor of Petrography and Mineralogy.*
HENRY L. SMYTH, C. E., *Assistant Professor of Mining.*

### Appointed by the Faculty of the Museum.

WALTER FAXON, S.D., *Assistant in charge.*
DANIEL D. SLADE, M.D., *Assistant in Osteology.*
SAMUEL GARMAN, *Assistant in Herpetology and Ichthyology.*
WILLIAM BREWSTER, *Assistant in Ornithology and Mammalogy.*
ALPHEUS HYATT, S.B., *Assistant in Invertebrate Palæontology.*
SAMUEL HENSHAW, *Assistant in Entomology.*
WILLIAM McM. WOODWORTH, PH.D., *Assistant in charge of Vermes.*
ALFRED G. MAYER, *Assistant in charge of Echinoderms, Polyps, etc.*
CHARLES R. EASTMAN, PH.D., *Assistant in Vertebrate Palaeontology.*
FRANCES M. SLACK, *Librarian.*
MAGNUS WESTERGREN, *Artist.*

### Appointed by the Corporation.

JAY B. WOODWORTH, S.B., *Instructor in Geology.*
W. McM. WOODWORTH, PH.D., *Instructor in Microscopical Anatomy.*
ROBERT T. JACKSON, S.D., *Instructor in Palaeontology.*
GEORGE H. PARKER, S.D., *Instructor in Zoölogy.*
CHARLES B. DAVENPORT, PH.D., *Instructor in Zoölogy.*
HENRY R. LINVILLE, A.M., *Assistant in Zoölogy.*
JOHN I. HAMAKER, A.M., *Assistant in Zoölogy.*
ROBERT DEC. WARD, A.M., *Instructor in Meteorology.*
THOMAS A. JAGGAR, JR., A.M., *Instructor in Geology.*
REGINALD A. DALY, A.M., *Instructor in Geology.*
LEON S. GRISWOLD, A.B., *Assistant in Physical Geography.*
CHARLES L. WHITTLE, *Assistant in Mineralogy and Petrography.*
FRANK C. SCHRADER, *Assistant in the Geological Laboratory.*

**The Museum was founded by private subscription in 1859 with the assistance of the State of Massachusetts. In 1876 the property in the hands of the Trustees was transferred to the President and Fellows of Harvard College.**

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The Museum is under the management of a Faculty, who nominate the Curator, the Sturgis Hooper Professor, and appoint the Assistants.

The Curator is charged with the direction of the scientific and educational interests of the Museum, as well as of its relations to the public.

The Exhibition Rooms open to the public are the Synoptic Room, the rooms containing the systematic collections of Mammals, Birds, Reptiles, Fishes, Mollusks, Crustacea and Insects, Radiates, Sponges and Protozoa, also the rooms devoted to the faunal collections of Europe, of North and South America, the Indo-Asiatic, the African, the Australian Realms, and the Atlantic and Pacific Rooms and the Rooms devoted to the Quaternary and Tertiary fossils. The collections, so far as arranged, are open to visitors every week-day, from 9 A.M. till 5 P.M., and on Sunday, from 1 P.M. till 5 P.M. Entrance on the south side of the North wing.

The publications of the Museum consist of an annual Report (1861–1895) of an octavo Bulletin (vols. i.–xxvi.) and of Memoirs in quarto (vols. i.–xviii.). The Bulletin and Memoirs are devoted to the publication of original work by the Professors and Assistants of the Museum, of investigations carried on by students and others in the different laboratories of Natural History, and of work by specialists based upon the Museum collections.

The Library of the Museum is on the second floor of the N. W. corner of the Museum. It is intended for the use of the Professors and students of the Natural History departments. The Library contains over 22,000 volumes, exclusive of 2600 volumes of pamphlets. The reading room is open from 9 to 1 and from 2 to 5.

## LABORATORIES.

### OF ZOÖLOGY, PALAEONTOLOGY, ENTOMOLOGY, GEOLOGY, PETROGRAPHY, AND PHYSICAL GEOGRAPHY.

The courses of instruction in Geology, Physical Geography and Meteorology, Petrography, Palaeontology, Zoölogy, Microscopical Anatomy, Osteology, Embryology, Entomology, are given in the laboratories (entrance on Oxford Street) connected with the Museum.

Courses of instruction in Geology numbered 2, 6, 7, 20, and 21, by Professor Davis, and Course 1 by Mr. Ward, are given in the Geological lecture-room and in the Geographical laboratories. Courses 4, 13, 14, 15, 18, 22*a*, 24, 25, and 26, by Professors Whitney and Shaler, Dr. Jackson, and Mr. Jaggar, are given in the Geological and Palaeontological laboratories and lecture-room. Courses 8 and 16 are given by Mr. J. B. Woodworth in the Geological lecture-room. Courses 10, 11, and 27, are given by Assistant Professor Smyth, in the Mineralogical laboratory.

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Courses in Petrography, numbered 1 and 2, are given by Professor Wolff, in the Petrographical laboratory. Courses in Zoölogy numbered 1, 2, 3, 4, 5, 6, 7, 20*a*, by Professor Mark and Drs. Davenport, Parker, and Woodworth, are given in the Zoölogical and Embryological laboratories. Course 20*c* is given by Dr. Slade in the Osteological Department.

The Instructors and Assistants of the Museum also receive Special Students in their respective departments.

The income of the Humboldt Fund (about $400) is applied, with the advice of the Faculty of the Museum, towards the maintenance of one or more persons engaged in study at the Museum, at the Newport Marine Laboratory, or at the Wood's Holl Fish Commission Station.

Several tables of the Newport Marine Zoölogical Laboratory are reserved for advanced students. Two of the tables of the U. S. Fish Commission at Wood's Holl are also at the disposal of the Director of the Museum, to whom application should be made before the first of May. Candidates should specify their qualifications and the work they intend to carry out.

The Faculty of the Museum of Comparative Zoölogy will receive applications from candidates desiring to occupy the table at the Naples Zoölogical Station, which has been placed at its disposal from October 1, 1893. The applicant must be (or have been recently) a student or instructor at some American university, preferably a person who has taken the degree of Ph.D. or S.D.; he must have published some creditable original investigation, and should be recommended as an able investigator by the professor under whom he has studied. Applicants will please forward to the Director of the Museum their recommendations and a statement of their qualifications and of the subject to which they hope to devote themselves. In order that the Faculty may make the most satisfactory disposition of the table during the whole year, applicants are requested to state the length of time they desire to remain at Naples, and also the earliest and latest dates within which they can avail themselves of the appointment. The Faculty will, at suitable intervals, nominate to the Corporation of Harvard College for approval the incumbent or incumbents for the year 1895–96.

The Virginia Barret Gibbs Scholarship, of the value of $250, is assigned annually with the approval of the Faculty of the Museum at the recommendation of the Professors of Zoölogy and of Comparative Anatomy in Harvard University "in supporting or assisting to support one or more students who may have shown decided talents in Zoölogy and preferably in the direction of Marine Zoölogy."

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# THE BOTANICAL MUSEUM.

GEORGE L. GOODALE, M.D., LL.D., *Fisher Professor of Natural History.*
WILLIAM G. FARLOW, M.D., *Professor of Cryptogamic Botany.*
ROLAND THAXTER, PH.D., *Assistant Professor of Cryptogamic Botany.*
ARTHUR B. SEYMOUR, S.M., *Assistant in Cryptogamic Herbarium.*
ALBERT R. SWEETSER, A.M., *Assistant in Botang.*
FREDERICK O. GROVER, A.B., *Assistant in Botany.*
HERBERT L. JONES, A.M., *Instructor in Botany.*
JOSEPH W. BLANKINSHIP, A.B., *Assistant.*

The collections accessible to the public are on the third floor of the central section of the University Museum. They are designed to illustrate the principal systematic, biological and economic relations of plants. The large and increasing Ware Collection of glass models of flowers and other plants, prepared by the artists Leopold and Rudolph Blaschka of Germany, occupies the large exhibition room. Contiguous rooms contain collections of Cryptogams and economic products.

## LABORATORIES

### OF CRYPTOGAMIC AND PHANEROGAMIC BOTANY.

The Cryptogamic Laboratories occupy the whole of the fifth floor (60 x 120). Here is also kept the extensive Herbarium of Algae, Fungi, and Lichens. (Not open to the public.)

The Laboratories of Phanerogamic Botany are on the second floor, and are supplemented by private workrooms in other parts of the botanical section. On the ground floor is stored for the present the large collection of Fossil plants.

The N. C. Nash Botanical Lecture-room, the gift of a recent graduate in memory of his father, is on the first floor of the Museum.

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# MINERALOGICAL MUSEUM.

JOHN E. WOLFF, PH.D., *Curator*, and *Professor of Petrography and Mineralogy.*
CHARLES L. JACKSON, A.M., *Erving Professor of Chemistry.*
WILLIAM M. DAVIS, M.E., *Professor of Physical Geography.*
CHARLES L. WHITTLE, *Assistant in Mineralogy and Petography.*
CHARLES PALACHE, PH.D., *Assistant in the Mineralogical Museum.*

The mineralogical section of the University Museum, built in 1890–91 with a fund of about $50,000, raised wholly by subscription, forms the southern end of the whole Museum, so far as at present completed. Entrance is by the south door on Oxford Street.

The exhibition room and gallery occupy the third and fourth floors and are open to the public on Wednesday, Saturday and Sunday afternoons, from 1 to 5.

The main mineralogical collections of the University are deposited here; they contain on the ground floor and gallery the large systematic collection with special features and collections, such as the J. Lawrence Smith collection of meteorites, the William Sturgis Bigelow agates, the Hamlin collection of tourmalines, and many unique specimens presented by James A. Garland and others.

## MINERALOGICAL LABORATORIES.

The Laboratories of Mineralogy occupy the second floor, first floor, and basement, and contain a laboratory for advanced crystallographic investigation and optical mineralogy on the second floor; the large lecture room, general laboratory for elementary mineralogy and blow-pipe analysis, preparation-room and library on the first floor, and in the basement a chemical laboratory equipped for mineral analysis, and two assay rooms equipped with furnaces for assaying and metallurgy.

The courses in mineralogy and crystallography (Mineralogy 2, 7, and 20) are given in these laboratories, where the instructors also receive properly qualified students who wish to follow special lines of mineralogical investigation.

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# THE PEABODY MUSEUM

OF

# AMERICAN ARCHAEOLOGY AND ETHNOLOGY

OCTOBER 8, 1866.

## TRUSTEES.

STEPHEN SALISBURY, A.M., LL.B., *Chairman.*
FRANCIS CABOT LOWELL, A.B., *Treasurer.*
SAMUEL HUBBARD SCUDDER, S.D., LL.D.
WILLIAM H. NILES, PH.B., A.M.
CHARLES P. BOWDITCH, A.M.
ALEXANDER AGASSIZ, LL.D.
CHARLES FRANCIS ADAMS, LL.D.

## OFFICERS AND ASSISTANTS.

FREDERIC WARD PUTNAM, A.M., S.D., *Curator, and Peabody Professor of American Archaeology and Ethnology.*
GEORGE A. DORSEY, PH.D., *Instructor in Anthropology* (*Holder of the Hemenway Fellowship*).
EDWARD E. CHICK, *Assistant in Charge of the Building.*
JANE SMITH, *Assistant.*
FRANCES H. MEAD, *Assistant.*
ALICE C. FLETCHER, *Assistant* (*Holder of the Thaw Fellowship*).
ZELIA NUTTALL, *Assistant in Mexican Archaeology.*
CHARLES C. WILLOUGHBY, *Assistant in Museum.*

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COMMITTEE OF THE DEPARTMENT.

Professors Frederic W. Putnam, George L. Goodale, and David G. Lyon, and Messrs. Charles P. Bowditch and Francis C. Lowell.

VISITING COMMITTEE APPOINTED BY THE BOARD OF OVERSEERS.

Augustus Hemenway, Charles P. Bowditch, Henry W. Haynes, Jesse W. Fewkes, Clarence J. Blake, Clarence B. Moore, George A. Nickerson.

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The entrance to the Museum is on Divinity Avenue. The present building is one-half of the contemplated structure which will form the

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southern wing of the University Museum. The Museum is in charge of the Curator and is open to the public, under proper restrictions, from 9 A.M. till 5 P.M. throughout the year, Sundays and holidays excepted. The arrangement of the collections is intended to facilitate research in General Anthropology with special reference to American and Comparative Archaeology and Ethnology. One of the galleries is temporarily occupied by the Semitic Museum of the University. The large upper hall is given to the Hemenway Collection of Archaeology and Ethnology of the southwestern tribes. The collection obtained from the ancient ruins of Copan, by the special expeditions of the Museum, is arranged in the large hall on the third floor. The crowded condition of the hall will not permit its being opened to the public, but visitors will be admitted by applying at the office. The library is open to members of the University. The publications of the Museum consist of Annual Reports, Special Papers and Memoirs.

Instruction is given in General Anthropology, with special reference to American Archaeology and Ethnology, to students in the Graduate School, and to undergraduates by special permission.

The Serpent Mound Park in Adams County, Ohio, containing the great Serpent Mound, is the property of the Peabody Museum. The park has been laid out as an appropriate surrounding to the important prehistoric monument it contains, and is free to the public under proper restrictions.

In addition to scholarships and fellowships annually awarded on the nomination of the Faculty of Arts and Sciences, several of which are open to properly qualified students in the Department, the following are available only for students in American Archaeology and Ethnology: —

THE HEMENWAY FELLOWSHIP; founded in 1890 by Mrs. Mary E. Hemenway, to be held by a student of Harvard University, pursuing the study of American Archaeology and Ethnology. It is awarded annually by the Trustees of the Peabody Museum to a student in the Graduate School. The Trustees may require the incumbent to render such assistance to the Peabody Professor of Archaeology or the Curator of the Museum as they think fitting. The present annual value of this fellowship is five hundred dollars.

THE THAW FELLOWSHIP; established in 1890 by Mrs. Mary Copley Thaw, in memory of her husband, the late William Thaw, for "work and research relating to the Indian race of America, or other ethnological and archaeological investigations;" to be awarded by the Trustees of the Peabody Museum. The present annual income of this fellowship is one thousand and fifty dollars; and is now payable, under certain conditions, by the terms of the gift, to a special student in connection with the Peabody Museum, nominated by the founder.

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ROBERT C. WINTHROP SCHOLARSHIP, with an income of two hundred dollars. Established in 1895 from a bequest of five thousand dollars made by Robert C. Winthrop "to my Alma Mater, Harvard College, for a scholarship or scholarships" to "be assigned to the Peabody Museum of Archaeology and Ethnology over which I have presided since its organization." The nomination for this Scholarship will for the present be made by the Trustees of the Peabody Museum.

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# THE SEMITIC MUSEUM.

DAVID GORDON LYON, PH.D., *Curator, and Hollis Professor of Divinity.*

The Semitic Museum was founded in 1889 by JACOB H. SCHIFF, Esq., and was opened on May 13, 1891. It occupies temporarily a gallery in the new section of the Peabody Museum building, and is open to students and the public daily, except Sundays and holidays, from 9 A.M. till 5 P.M. The object of the Museum is to gather such materials as shall illustrate the Semitic instruction given in the University, provide students and other specialists with the means of original research, and give to the general visitor as complete a view as possible of the products of Semitic art and archaeology.

The collection contains manuscripts, coins, photographs, Babylonian-Assyrian seals, cuneiform tablets of clay and stone, Phoenician glassware and a large number of casts of the finest of the Semitic monuments in the European museums. The objects are provided with descriptive labels. Beginning on the left of the door, the chronological order has been followed, where the size of the objects and the date of arrival have not hindered. The high cases in the room are largely filled with casts of Assyrian monuments, chiefly from the palaces of Assurnazirpal and Assurbanipal, ninth and seventh centuries B.C. The colored casts of monuments from the Babylonian ruin called Tello and from the ruins of the Persain Susa are among the finest in the collection. There are also casts of Hittite bas-reliefs and of Hittite and Persian inscriptions. There are twenty-five Mohammedan mortuary stones from Egypt with inscriptions in the Cufic character. A few of the manuscripts belonging to the museum, Syriac, Hebrew and Arabic, are exhibited in the railing case. The oldest is a Syriac manuscript of the Gospels written in 1207. Among the Hebrew manuscripts are a roll of the Law and rolls of the Prophets. Some of the latter are from Arabia and contain besides the Hebrew text a translation into Arabic written in Hebrew characters. In a case on the left of the door are the original Babylonian clay tablets, while one on the right contains the original stone seals and reproductions of many other small Assyrian and Babylonian objects. Of the many hundred photographs which the museum possesses, a few, chiefly representing Palestinian scenery, are on exhibition. In the room below is the cast of a winged lion, while in the basement are many cases of casts which, partly for lack of space, cannot yet be exhibited.

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# BOTANIC GARDEN AND HERBARIUM.

GEORGE L. GOODALE, M.D., LL.D., *Fisher Professor of Natural History*, and *Director of the Botanic Garden.*
BENJAMIN L. ROBINSON, PH.D., *Curator of the Herbarium.*
CYRUS G. PRINGLE, *Collector for Garden and Herbarium.*
MERRITT L. FERNALD, *Assistant in Herbarium.*
JESSE M. GREENMAN, A.B., *Assistant in Herbarium.*
MARY A. DAY, *Librarian of the Herbarium.*

The Botanic Garden occupies about seven acres of land at the corner of Linnaean and Garden Streets, Cambridge. More than five thousand species of flowering plants are cultivated for educational and scientific purposes. The grounds and greenhouses are open to the public daily, from sunrise to sunset.

To students properly qualified, specimens of flowers and living plants are freely furnished, and facilities are offered for prosecuting investigations. Under certain restrictions students are supplied with all necessary appliances for conducting experiments in vegetable physiology.

The Herbarium of the University, now numbering more than two hundred thousand sheets, including the types described in the Synoptical Flora of North America, is contained in a building at the Botanic Garden. To graduate students properly prepared, it is open for consultation under the direction of the Curator.

The Botanical Library of the Herbarium, containing over nine thousand volumes and pamphlets, is accessible for consultation to all advanced students of Botany.

The botanical sections of the University Museum (see p. 554), contain (1) the laboratories of Phanerogamic and Cryptogamic Botany, (2) the extensive Herbarium of Cryptogamic Botany, (3) Laboratory Library and Herbarium, (4) the Botanical Museum, comprising illustrations of economic botany, as yet not accessible to the public, and the Ware collection of Blaschka glass models of plants.

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# THE ASTRONOMICAL OBSERVATORY.

## FACULTY.

CHARLES W. ELIOT, LL.D., *President.*
EDWARD C. PICKERING, LL.D., *Paine Professor of Practical Astronomy, and Director.*
ARTHUR SEARLE, A.M., *Phillips Professor of Astronomy.*
WILLIAM H. PICKERING, S.B., *Assistant Professor of Astronomy.*
SOLON I. BAILEY, A.M., *Assistant Professor of Astronomy.*
OLIVER CLINTON WENDELL, A.M., *Assistant.*
J. RAYNER EDMANDS, S.B., *Assistant.*
A. LAWRENCE ROTCH, A.M., *Assistant in Meteorology.*
WILLARD P. GERRISH, *Assistant.*

This Observatory was founded for the purpose of scientific research in all departments of Astronomy. To fulfil this purpose, it has been equipped with instruments of the first class and with a library of about 20,000 works (of which about half are pamphlets), principally relating to astronomical subjects. It has likewise been provided with funds for the maintenance and increase of its equipment and library, and for the payment of its current expenses, special provision having also been made for the publication of its observations.

One of the principal departments of the Observatory is the Henry Draper Memorial, maintained by Mrs. Draper to permit the study on a large scale of the spectra and other physical properties of the fixed stars.

The Boyden Fund furnishes the means of establishing an observing station at a considerable elevation, to avoid the serious difficulties in observation which arise from atmospheric causes. After preliminary experiments on mountains in Colorado and California, a station was established in the Andes, near Chosica, Peru, under the direction of Professor BAILEY. This has been transferred to a site about 8000 feet high, near Arequipa, Peru, where observations were conducted for two years under the direction of Professor W. H. PICKERING. Professor BAILEY has now returned to Peru and has taken charge of the station. He has recently established a meteorological station at an elevation of 19,200 feet, on the summit of the volcano El Misti.

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In coöperation with the Blue Hill Meteorological Observatory, under the direction of Mr. ROTCH, meteorological observations are maintained, and the results published in the Annals of the Observatory.

In coöperation with the New England Weather Service, observations are made at nearly two hundred stations distributed over New England, and the results are published in the Annals, which also contain the results of investigations by members of the New England Meteorological Society.

The Observatory is now provided with a photographic telescope of greater size than that of any similar instrument hitherto constructed. This telescope is the gift of Miss C. W. Bruce, of New York. Its object-glass consists of four lenses, each 24 inches in aperture. The work for which it is specially designed is the production of stellar charts and photographs of stellar spectra.

By the mutual consent of astronomers, the Kiel and Harvard Observatories have been selected as the centres for the prompt announcement of astronomical discoveries. For example, when a comet is discovered in America its position is telegraphed to this Observatory, from here to Kiel, and thence to all the principal observatories of Europe.

Forty assistants take part in the work of the Observatory. The results obtained are published in a series of Annals, and now fill thirty-three quarto volumes. The preparation of these volumes occupies a large part of the force at the Observatory in Cambridge. Besides this labor, a large amount of observation is done there, several instruments being kept in constant use. The largest of these are the fifteen-inch and six-inch equatorial telescopes, the eight-inch transit circle, the eleven-inch Draper photographic telescope, the eight-inch photographic telescope, and the meridian photometer.

Instruction in astronomy is not given at the Observatory, either by lectures or recitations. Facilities are freely offered to astronomers for making use of the library, buildings, grounds, and instruments of the Observatory, so far as this can be done without interfering with regular work. Similar opportunities are sometimes offered to special students in astronomy, but the constant employment of the principal instruments greatly limits the use that can be made of them for this purpose. Such students may apply for admission to the Director, with whom the fees for the privileges offered may be agreed upon. In some cases a part or the whole of the fees may be remitted in consideration of services rendered in computation.

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# THE ARNOLD ARBORETUM.

CHARLES S. SARGENT, *Arnold Professor of Arboriculture, Director.*
CHARLES E. FAXON, *Assistant, in charge of Herbarium and Museum.*
JACKSON DAWSON, *Superintendent.*

The Arnold Arboretum was founded for the purpose of scientific research and experiment in Arboriculture, Forestry, and Dendrology, and as a Museum of trees and shrubs suited to the climate of Massachusetts. The Arboretum occupies a portion of the Bussey farm in West Roxbury, 160 acres in extent, and under a special arrangement with the City of Boston, is open to the public every day in the year from sunrise to sunset. The living collections are supplemented by an Herbarium, Museum, and Library.

Any one properly qualified to pursue the study of practical arboriculture or forestry may be admitted to the Arboretum as a student. Such students will be permitted to take part in the work carried on in the Arboretum as well as to make use of its Library. They will also receive from the officers of the Arboretum such assistance and advice in the study of any branch of Arboriculture or Dendrology as can be rendered without interference with current work. In order to study with advantage in the Arboretum, the student should already possess such a degree of botanical knowledge as is implied in a thorough acquaintance with "Gray's Botanical Text Book," or any equivalent work. He must have some knowledge of horticultural methods and practice, and should be familiar with the native trees at least of the New England States.

Application for admission may be made to the Director, with whom the fees for instruction may be agreed upon. Fees may be remitted in consideration of services performed.

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# UNIVERSITY FACILITIES

FOR

## EXERCISE, PHYSICAL TRAINING, AND ATHLETIC SPORTS.

## THE HEMENWAY GYMNASIUM.

DUDLEY ALLEN SARGENT, A.M., M.D., S.D., *Director.*
JAMES GRAY LATHROP, *Instructor in Athletics.*
FRANCES DOHS, *Instructor in Gymnastics.*
CHARLES EDGERTON CARTER, *Recorder.*

The gymnasium, named in honor of AUGUSTUS HEMENWAY, of Boston, who gave it to the University, is a handsome and spacious structure, built in 1878 and equipped with the utmost thoroughness.

The growth of the University and the interest in this department during the past fifteen years has necessitated an increase of room and facilities which Mr. Hemenway has met by making an extensive addition to the Gymnasium in 1895.

This new addition affords an increased floor area of 15,000 square feet with locker, bathing and dressing room, accommodations for 2500 students.

An area of some 12,000 square feet of ground immediately connected with the Gymnasium has been enclosed, graded and covered with asphalt, to afford facilities for practising gymnastic exercises and games in the open air.

The Gymnasium proper has a floor space of 30,000 square feet including a large main hall for general exercise, a running-gallery, rowing-room and basement for Bowling Alleys, Hand Ball Courts, and rooms for Fencing, Sparring, Wrestling and other forms of exercises.

The Main Hall is furnished with a large variety of light and heavy gymnastic apparatus and all the best patterns of the modern developing appliances.

The building is lighted throughout by electricity and warmed and ventilated by a novel arrangement of steam pipes, light wells and air shafts.

The Gymnasium is open to all members of the University free of expense, on week days from 11 A.M. to 1 P.M., 3 to 5.30, and 8 to 10 P.M., except on Saturdays, when it is closed at 6 o'clock.

The attendance is voluntary, and the system adopted is one designed to meet the special wants of each individual. Realizing the great diversity in age, size, and strength, as well as in health, of the students who attend the University, the Director makes no attempt to group them into classes which pursue the same course of exercises.

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Upon entering the University, each student is entitled to an examination by the Director, in which his physical proportions are measured, his strength tested, his heart and lungs examined, and information solicited concerning his general health and inherited tendencies. From the data thus procured, a special order of appropriate exercises is made out for each student, with specifications of the movements and apparatus which he may best use. These exercises are marked in outline on cards without charge, or in handbooks accompanied by charts, at a small expense. After working on this prescription for three or six months, the student is entitled to another examination, by which the results of his work are ascertained, and the Director enabled to make a further prescription. Students holding scholarships are expected to be examined twice a year; and those desiring to enter athletic contests are required to be examined by the Director and obtain his permission so to do.

In addition to the individual prescriptions, there are classes in Free Movements and Light Gymnastics designed to afford an opportunity for general development to all students of the University who are not members of the athletic teams or who are not in need of specially prescribed exercises.

All students of Harvard University desiring to enter as competitors in Athletic Contests are required to give evidence of their ability by making the following strength tests, in addition to the regular physical examinations:

Candidates for the University Crew and Foot Ball Team and Weight Throwers are expected to make a total strength test of 700 points.

Candidates for the Class Crews and Foot Ball Teams and Gymnastic, Wrestling and Sparring Contests are expected to make a total strength test of 600 points.

Candidates for the University and Class Ball Nines, LaCrosse Teams, Track and Field Events are expected to make a total strength test of 500 points.

These points are reckoned as follows: — The number of kilos. lifted with the back and legs straight, and the number of kilos. lifted with the legs bent, added to the strength of the grip of the right and left hand, expiratory power as tested by the manometer, and one-tenth of the weight in kilos. multiplied by the number of times that the person can raise his weight by dipping between the parallel bars and pulling his weight up to his chin on the rings. Where the strength test falls below the desired standard the capacity of lungs is taken into account in summing up the condition.

These tests are made and certificates granted on any day, excepting Saturday and Sunday, between 2 and 4 P.M. within two weeks previous to a contest, but no examinations are made or certificates granted on the day of the contest.

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# COMMITTEE ON THE REGULATION OF ATHLETIC SPORTS.

## FACULTY MEMBERS.

JOSEPH H. BEALE, Jr., A.M., LL.B., *Assistant Professor of Law.*
IRA N. HOLLIS, *Professor of Engineering.*
EDWARD H. BRADFORD, A.M., M.D., *Assistant Professor of Orthopedics.*

## GRADUATE MEMBERS.

WILLIAM HOOPER, A.B.
PERRY D. TRAFFORD, A.B.
WILLIAM A. BROOKS, Jr., A.M., M.D.

## UNDERGRADUATE MEMBERS.

JOHN C. FAIRCHILD, *Class of 1896.*
ROBERT H. STEVENSON, Jr., *Class of 1897.*
JAMES H. PERKINS, *Class of 1898.*

## OFFICERS.

JOSEPH H. BEALE, Jr., *Chairman.*
JOHN C. FAIRCHILD, *Secretary.*
FRED W. MOORE, *Graduate Treasurer.*

The President and Fellows established the Committee on the Regulation of Athletic Sports by the following vote, to which the Overseers consented: —

"*Voted*, That the following be adopted as one of the standing rules and orders of the President and Fellows and the Board of Overseers: —

"A Committee for the Regulation of Athletic Sports shall hereafter be annually appointed and chosen as follows: three members of the University Faculties, and three graduates of the College — these six to be appointed by the Corporation with the consent of the Overseers; and also three undergraduates to be chosen during the first week of the College year by the majority vote of the following students: the Presidents of the Senior Junior and Sophomore classes, and a representative from each of the following athletic organizations: the Boat Club, the Cricket Club, and the Athletic, Base-ball, Foot-ball, Cycling, and Tennis Associations,

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who shall be called together for the purpose of making this choice by the President of the University.

"This Committee shall have entire supervision and control of all athletic exercises within and without the precincts of the University, subject to the authority of the Faculty of Arts and Sciences, as defined by the Statutes."

Under the authority thus conferred the Committee exercises a general supervision over the grounds and buildings devoted by the University to athletic sports and exercise; over the times and places of athletic contests; and over the physical condition of those engaged in them. The regulations framed by the Committee forbid the employment of unauthorized persons as trainers, and require intercollegiate and other contests to be held at such times and places as will cause least interference with study. No person is permitted to take part in athletic contests without a physical examination by the Director of the Gymnasium, and his permission so to do. No person who is not a student of some department of the University in full and regular standing is allowed to take part in any athletic contest or exhibition. The Committee chooses its own officers, and appoints a Graduate Treasurer, who exercises supervision over the accounts of all athletic organizations using University grounds or buildings. The Committee makes a report annually to the President of the University.

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## ATHLETIC BUILDINGS.

Besides the Gymnasium, four other buildings are held, either by the University or by trustees, for the exclusive use of students of the University.

By the gift of Henry Astor Carey, Esq., a substantial brick building was erected in 1889–90 on Holmes field for the use of members of the principal teams. It has a floor area of 7848 square feet.

The University Boat House, situated on Charles River, about half a mile from the College, is used principally by regular crews. It has a floor space of 6893 square feet.

By the gift of George W. Weld, Esq., a second boat house was erected in 1889–90 for the use chiefly of students not rowing on regular crews. It is situated about one third of a mile from the College, and has lockers and boat-storage sufficient for the use of 300 students.

By subscriptions from Alumni the "Locker Building" was erected in 1893–94 on Soldier's Field. This building has a capacity of 1500 lockers, and contains also large shower-rooms and dressing-rooms.

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## PLAY-GROUNDS.

For out-door exercise, the University and the students themselves have provided three grounds. Holmes Field, adjacent to the Gymnasium and Carey Building, is about 450 feet by 600 feet, and has an unencumbered area of about five acres. The students have provided permanent seats for about 3000 persons, and have laid down around the field a quarter mile running track.

Jarvis Field, a few hundred feet from Holmes Field, is about four acres in area, and is used exclusively by tennis-players.

The gift made to the University in 1890 by Henry L. Higginson, Esq., affords the students an additional play-ground of twenty acres. This new field, called the Soldier's Field, is situated just across the Charles River, and is within easy reach of the College Yard. It is used for foot-ball and other sports. The students have provided upon this field permanent seats for 10,000 persons.

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# COMMITTEES APPOINTED BY THE BOARD OF OVERSEERS.

On Elections. — George O. Shattuck, Edmund Wetmore, Henry H. Sprague, Robert M. Morse, Moorfield Storey.

On Reports and Resolutions. — Moses Williams, Francis Rawle, Augustus Hemenway, Arthur T. Lyman, Edwin P. Seaver, William A. Bancroft, Charles F. Adams.

On Departments: —

*To visit the Divinity School.* — Arthur T. Lyman, William Lawrence, Francis B. Hornbrook, Alexander McKenzie, Charles F. Dole, George S. Hale, Archibald M. Howe, Bradley Gilman.

*To visit the Law School.* — Charles J. Bonaparte, Charles C. Beaman, James C. Carter, Robert M. Morse, Robert Grant, Louis D. Brandeis, Joseph B. Warner, Henry W. Putnam.

*To visit the Medical and Dental Schools.* — George B. Shattuck, Henry H. Sprague, Samuel A. Green, Charles F. Folsom, Morrill Wyman, John S. Billings, William Sturgis Bigelow, George von L. Meyer.

*To visit the Veterinary School.* — George G. Crocker, Augustus Hemenway, Theodore A. Dodge, Albert S. Bigelow, Lamont G. Burnham, George G. Kennedy, Samuel A. Hopkins, J. Arthur Beebe, E. Pierson Beebe, Edwin D. Morgan.

*To visit the Bussey Institution.* — Ernest W. Bowditch, Augustus P. Loring, James S. Russell, Francis H. Appleton, William H. Forbes, F. Ashton Lawrence.

*To visit the Library.* — George E. Adams, Samuel A. Green, Charles F. Adams, Stephen Salisbury, Charles C. Smith, George W. Wales, Julius Dexter, Elihu Chauncey, S. A. B. Abbott.

*To visit the Observatory.* — T. Jefferson Coolidge, George O. Shattuck, Charles R. Codman, Edwin P. Seaver, Simon Newcomb, John C. Palfrey, Robert Treat Paine, Charles F. Choate, Frederick O. Prince, Francis H. Peabody, Charles P. Bowditch, George I. Alden.

*To visit the Botanic Garden and Herbarium.* — Henry Lee, Hollis H. Hunnewell, Augustus Lowell, George G. Kennedy, George W. Hammond, Nathaniel T. Kidder, Nathaniel C. Nash, George A. Nickerson, David Pingree, John L. Gardner, Eugene Van R. Thayer. Edwin H. Abbott.

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*To visit the Museum of Comparative Zoölogy.* — Charles F. Folsom, Theodore Roosevelt, Abbott Lawrence Lowell, Louis Cabot, Francis L. Higginson, Arthur T. Cabot, Dudley L. Pickman, William Brewster.

*To visit the Peabody Museum.* — Augustus Hemenway, Charles P. Bowditch, Henry W. Haynes, Jesse W. Fewkes, Clarence J. Blake, Clarence B. Moore, George A. Nickerson.

*To visit the Arnold Arboretum.* — Thomas L. Livermore, Stephen M. Weld, Walter Hunnewell, George W. Vanderbilt, Henry G. Russell, Morris K. Jessup, Charles F. Sprague.

*To visit the Lawrence Scientific School.* — Robert S. Peabody, Morrill Wyman, Eliot C. Clarke, Erasmus D. Leavitt, John Lawrence, Abbott Lawrence Rotch, Charles H. Manning, George A. Gardner.

*To visit the Physical Laboratory and Department of Physics.* — Francis Blake, Edmund Wetmore, T. Jefferson Coolidge, Elihu Thomson, Erasmus D. Leavitt, William H. Forbes, Frederick P. Fish.

*To visit the Chemical Laboratory.* — Stephen M. Weld, Wolcott Gibbs, Nathaniel Thayer, Edward D. Pearce, Alexander Cochrane, Samuel Cabot, Edward R. Squibb.

On Physical Training, Athletic Sports, and Sanitary Condition of All Buildings. — Augustus Hemenway, Robert Bacon, Theodore Roosevelt, Charles F. Adams, 2d, George W. Weld, Robert F. Clark, Edwin Farnham, Maurice H. Richardson, William Hooper.

On the Administration of the University Chapel. — Arthur T. Lyman, William Lawrence, Frank H. Johnson, William H. Fish, Jr., George A. Gordon, Edward C. Guild, Howard N. Brown.

On the Treasurer's Accounts. — Moses Williams, Robert Bacon, T. Jefferson Coolidge, Charles H. Parker, Israel M. Spelman, Jacob C. Rogers, John L. Gardner, Francis L. Higginson.

For the College: —

*On Government.* — William A. Bancroft, Charles R. Codman, Stephen M. Weld, Moorfield Storey, Robert Grant, Gardiner M. Lane.

For the Courses of Instruction: —

*On the Semitic Languages.* — Jacob H. Schiff, Stephen Salisbury, George Wigglesworth, Isidor Straus.

*On the Indo-Iranian Languages.* — Henry C. Warren, A. V. Williams Jackson, Edward J. Young.

*Classical Department.* — Gardiner M. Lane, Prentiss Cummings, Henry W. Haynes, Edmund L. Baylies, Edwin H. Abbott, Babson S. Ladd.

*On English Literature.* — Horace E. Scudder, Robert Grant, Henry A. Clapp, Charles E. L. Wingate.

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*On Composition and Rhetoric.* — Charles F. Adams, Edwin L. Godkin, George R. Nutter.

*On German.* — Carl Schurz, Charles E. Grinnell, Henry W. Putnam.

*On French.* — Horatio G. Curtis, John Templeman Coolidge, Jr., Nathan Appleton.

*On Italian.* — Charles H. Grandgent, William R. Thayer, Thomas W. Higginson.

*On Spanish.* — George B. Shattuck, Joseph R. Coolidge, Samuel Eliot, Stephen Salisbury.

*On Romance Philology.* — Charles H. Grandgent, Henry R. Lang, Justin H. Smith.

*On Philosophy.* — George B. Dorr, William Sturgis Bigelow, Richard H. Dana.

*On Political Economy.* — Arthur T. Lyman, Henry Lee, T. Jefferson Coolidge, John L. Gardner, Howard Stockton.

*On Ancient History, Mediaeval History, and Roman Law.* — Henry H. Sprague, William E. Russell, Abbott Lawrence Lowell, Roger F. Sturgis.

*On Modern History and International Law.* — Moorfield Storey, William F. Wharton, James S. Russell, Joseph B. Warner.

*On Fine Arts.* — Robert S. Peabody, James A. Garland, Edmund M. Wheelwright, Frederic P. Vinton, Samuel D. Warren, Edward Robinson.

*On Music.* — Horatio A. Lamb, John Fiske, Arthur Foote.

*On Mathematics.* — Benjamin A. Gould, George V. Leverett, Charles P. Bowditch, Seth C. Chandler.

*On Botany.* — Francis H. Peabody, Walter Hunnewell, Walter Deane.

*On Zoölogy.* — Clarence J. Blake, Walter Faxon, William Minot.

*On Geology.* — John Simpkins, Charles Fairchild, George P. Gardner.

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# DEGREE, HONOR, SCHOLARSHIP, AND PRIZE LISTS.
## 1895.

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### DEGREES.

On Commencement Day, June 26, 1895, degrees were conferred as follows: —

*Honorary.*

**LL.D.**

Charles Francis Adams.
John Chipman Gray.
Fitzedward Hall.
Oliver Wendell Holmes.
Alfred Thayer Mahan.
Sir Frederick Pollock.

**D.D.**

George Angier Gordon.

**A.M.**

William Astor Chanler.
George Dock.
Wendell Phillips Garrison.
Joseph Jefferson.
Roswell Park.

*In Course.*

**Ph.D.**

Frank Cole Babbitt, A.B. 1890, A.M. 1892.
*Department*, Philology. *Subjects*, Greek and Latin.
*Thesis*, "De Euripidis Antiopa."

Edward Angus Burt, A.B. 1893, A.M. 1894.
*Department*, Natural History. *Subject*, Botany.
*Thesis*, "The Development of the Receptaculum in the Phalloideae."

Harry Edwin Burton, A.B. 1890, A.M. 1893.
*Department*, Philology. *Subjects*, Greek and Latin.
*Thesis*, "De Rebus Sacris apud Aristophanem repertis."

William Ernest Castle, A.B. (*Denison Univ.*) 1889, A.B. (*Harvard Univ.*) 1893, A.M. (*Ibid.*) 1894.
*Department*, Natural History. *Subject*, Zoölogy.
*Thesis*, "The Early Embryology of Ciona intestinalis."

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Bradley Moore Davis, A.B. (*Leland Stanford Jr. Univ.*) 1892, A.B. (*Harvard Univ.*) 1893, A.M. (*Ibid.*) 1894.

*Department*, Natural History. *Subject*, Botany.

*Thesis*, "Considerations on the Carposporic Type of Reproduction."

William Edward Burghardt Du Bois, A.B. (*Fiske Univ.*) 1888, A.B. (*Harvard Univ.*) 1890, A.M. (*Ibid.*) 1891.

*Department*, Political Science. *Subject*, Constitutional History and Economics.

*Thesis*, "The Suppression of the African Slave Trade in the United States of America."

John Hiram Gerould, LITT.B. (*Dartmouth Coll.*) 1890, A.B. (*Harvard Univ.*) 1892, A.M. (*Ibid.*) 1893.

*Department*, Natural History. *Subject*, Zoölogy.

*Thesis*, "The Anatomy and Histology of Candina arenata. Gould."

James Waterman Glover, L.B. (*Univ. of Michigan*) 1892.

*Department*, Mathematics. *Subject*, Analytic Geometry.

*Thesis*, "On the Properties of Functions defined by the Partial Differential Equation $\Omega Y + kY = 0$."

Henry Theodore Hildreth, A.B. 1885.

*Department*, Philology. *Subjects*, Greek and Latin.

*Thesis*, De usu Plusquamperfecti Indicativi Latini usque ad Augusti aetatem commentatio."

George Edwin Howes, A.B. 1886, A.M. 1890.

*Department*, Philology. *Subjects*, Greek and Latin.

*Thesis*, "De Versibus Homericus apud Platonem et Aristotelem repertis."

Robert MacDougall, A.B. (*McGill Univ.*) 1890, A.M. (*Harvard Univ.*) 1893.

*Department*, Philosophy. *Subject*, Psychology.

*Thesis*, "The Physical Coefficient of Certain Mental States."

Kenneth McKenzie, A.B. 1891, A.M. 1893.

*Department*, Philology. *Subject*, Romance Philology.

*Thesis*, "The Development of Italian Lyric Poetry before the rise of the Dolce Stil Nuovo."

Edgar Pierce, A.B. 1892, A.M. 1893.

*Department*, Philosophy. *Subject*, Psychology.

*Thesis*, "The Aesthetics of Simple Forms."

Harris Eastman Sawyer, A.B. 1891, A.M. 1893.

*Department*, Chemistry. *Subject*, Organic Chemistry.

*Thesis*, On Aldehydopyromucic Acid."

William Henry Schofield, A.B. (*Victoria Univ.*) 1889, A.M. (*Harvard Univ.*) 1893.

*Department*, Philology. *Subject*, Anglo-Saxon.

*Thesis*, "Studies on the Libeaus Desconus."

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Earley Vernon Wilcox, A.B. (*Otterbein Coll.*) 1890, A.B. (*Harvard Univ.*), 1892, A.M. (*Ibid.*) 1894.

*Department*, Natural History. *Subject*, Zoölogy.

*Thesis*, "Spermatogenesis of Caloptenus femur-rubrum and Cicada tibicen."

## S.D.

Frederick Levy Dunlap, S.B. (*Univ. of Michigan*) 1892.

*Department*, Chemistry. *Subject*, Organic Chemistry.

*Thesis*, "Diphenyldichlorcrotonic Acid and the Constitution of Mucochloric Acid."

Herbert Maule Richards, S.B. 1891.

*Department*, Natural History. *Subject*, Botany.

*Thesis*, "On some points regarding the Morphology and Parasitism of certain Uredineae."

## A.M.

Abram Piatt Andrew, Jr., A.B. (*Coll. of New Jersey*) 1893.

Kendric Charles Babcock, B.LITT. (*Univ. of Minnesota*), 1889.

Edgar James Banks, A.B. 1893.

Frederick Marsh Bennett, L.B. (*Univ. of Illinois*) 1889.

Albert Emerson Benson, A.B. 1892.

William Dorr Boardman, A.B. 1892.

Alexander Phoenix Bourne, A.B. (*Brown Univ.*) 1890, (*Andover Theol. Sem.*) 1894.

Jonathan Bailey Browder, A.B. (*Vanderbilt Univ.*) 1892, A.M. (*Ibid.*) 1893.

Arthur Charles Lewis Brown, A.B. (*Hobart Coll.*) 1893, A.B. (*Harvard Univ.*) 1894.

Harrison Hitchcock Brown, A.B. (*Amherst Coll.*) 1889.

Myron Luther Bruuer, A.B. 1888.

William Sargent Burrage, A.B. 1892.

Donald Frank Campbell, A.B. (*Dalhousie Univ.*) 1890, A.B. (*Harvard Univ.*) 1894.

George Davis Chase, A.B. 1889.

George Ernest Chipman, A.B. (*Acadia Coll.*) 1892, A.M. (*Ibid.*) 1894.

George Foster Collier, S.B. (*Ohio Wesleyan Univ.*) 1892, A.B. (*Harvard Univ.*) 1894.

John Winthrop Cooke, A.B. (*Williams Coll.*) 1889.

Morris William Croll, A.B. (*Pennsylvania Coll.*) 1889, A.M. (*Ibid.*) 1892, A.B. (*Harvard Univ.*) 1894.

Francis Franklin Davis, S.B. (*Haverford Coll.*) 1893, A.M. (*Ibid.*) 1894.

Robert Gray Dodge, A.B. 1893.

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William Duane, A.B. (*Univ. of Pennsylvania*) 1892, A.B. (*Harvard Univ.*) 1893.
Benjamin Minge Duggar, S.B. (*Ag. and Mech. Coll. of Mississippi*) 1891, S.M. (*Ag. and Mech. Coll. of Alabama*) 1892, A.B. (*Harvard Univ.*) 1894.
Samuel Chandler Earle, A.B. 1894.
Frank Warren Eaton, A.B. 1894.
Harold Kelsey Estabrook, A.B. 1892.
Allan Bradshaw Fay, A.B. 1894.
Frederick Carlos Ferry, A.B. (*Williams Coll.*) 1891, A.M. (*Ibid.*) 1894.
John Sören Festerson, A.B. (*Colgate Univ.*) 1885, A.M. (*Ibid.*) 1893, A.B. (*Harvard Univ.*) 1894.
Jeremiah Denis Matthias Ford, A.B. 1894.
Robert Jay Forsythe, A.B. 1894.
Albert Philip Francine, A.B. (*Univ. of Pennsylvania*) 1894.
Charles Josiah Galpin, A.B. (*Colgate Univ.*) 1885, A.M. (*Ibid.*) 1888.
Henry Albert Gehring, A.B. 1894.
Louis Packard Gillespie, A.B. (*Yale Univ.*) 1894.
Elmer Ellsworth Griffith, A.B. (*Indiana Univ.*) 1885, A.M. (*Ibid.*) 1890.
John Irvin Hamaker, A.B. (*Kansas State Univ.*) 1893, A.B. (*Harvard Univ.*) 1894.
Eugene Howard Harper, A.B. (*Oberlin Coll.*) 1890.
Henry Barrett Hinckley, A.B. (*Yale Univ.*) 1892.
Martin Hill Ittner, PH.B. (*Washington Univ.*) 1892, S.B. (*Ibid.*) 1894.
Herbert Spencer Jennings, S.B. (*Univ. of Michigan*), 1893.
Benjamin Chauncey Jutten, A.B. 1894.
Francis Stewart Kershaw, PH.B. (*Ohio State Univ.*) 1891, A.B. (*Harvard Univ.*) 1892.
Francis Joseph Lange, A.B. (*Kansas State Univ.*) 1893.
Joseph Francis Langton, A.B. (*McGill Univ.*) 1887.
Charles Lewis Lawrence, A.B. 1894.
Henry Richardson Linville, A.B. (*Univ. of Kansas*) 1893, A.B. (*Harvard Univ.*) 1894.
John Daniel Logan, A.B. (*Dalhousie Univ.*) 1893, A.M. (*Ibid.*) 1894, A.B. (*Harvard Univ.*) 1894.
James Edwin Lough, A.B. (*Miami Univ.*) 1891, A.M. (*Ibid.*) 1894, A.B. (*Harvard Univ.*) 1894.
Robert MacDonald, A.B. 1894.
Frederick Chase McLaughlin, A.B. 1893.
Howard Lincoln McLaury, A.B. (*Oberlin Coll.*) 1893.
Herbert Camp Marshall, A.B. (*Ohio Wesleyan Univ.*) 1891, A.B. (*Harvard Univ.*) 1894.
Watson Nicholson, A.B. (*Leland Stanford Jr. Univ.*) 1892.

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George Rapall Noyes, A.B. 1894.
George Oenslager, A.B. 1894.
Andrew Oliver, 2d, A.B. 1891.
Charles Eugene Ozanne, A.B. (*Adelbert Coll.*) 1889, D.B. (*Yale Univ.*) 1892.
Joseph Francis Paxton, A.B. (*Univ. of State of Missouri*) 1891, A.M. (*Ibid.*) 1893.
Milton Brockett Porter, S.B. (*Univ. of Texas.*) 1892.
Edward Kennard Rand, A.B. 1894.
Charles Andrew Rhetts, A.B. (*Indiana Univ.*) 1889, LL.B. (*Columbian Univ.*).
Henry Isaac Richmond, Jr., S.B. 1894.
William Harvey Rush, S.B. (*Univ. of Michigan*) 1893.
Boris Sidis, A.B. 1894.
Macy Millmore Skinner, A.B. 1894.
Roscoe Addison Small, A.B. (*Bates Coll.*) 1892, A.B. (*Harvard Univ.*) 1894.
George James Smith, A.B. (*National Normal Univ.*) 1885, A.M. (*Ibid.*) 1890, LL.B. (*National Law School*) 1892, LL.M. (*Ibid.*) 1893, PH.D. (*Univ. of Wooster*), 1893.
Edwin Elias Starbuck, A.B. (*Indiana Univ.*) 1890, A.B. (*Harvard Univ.*) 1894.
Otto Starek, A.B. 1894.
James Sullivan, Jr., A.B. 1894.
John Littlefield Tilton, A.B. (*Wesleyan Univ.*) 1885, A.M. (*Ibid.*) 1888.
George Warren Tower, Jr., A.B. 1894.
Frederick Towers, A.B. (*Univ. of New Brunswick*) 1877.
Robert Reineck Truitt, A.B. (*Univ. of Pennsylvania*) 1890, A.B. (*Harvard Univ.*) 1894.
Richard Ware, LL.B. (*Columbian Univ.*) 1889.
Frederic Leonard Washburn, A.B. 1882.
Charles T Wentworth, A.B. 1894.
Francis Beach White, A.B. 1894.
William Joseph Whitney, A.B. 1894.
Charles Adams Williams, A.B. (*Williams Coll.*) 1888.
Charles Fenno Winslow, A.B. 1891.

## D.B.

George Rudolph Gebauer.
Alfred Rodman Hussey, A.B. 1892.
Burris Atkins Jenkins, A.B. (*Bethany Coll.*) 1891.
Augustus Phineas Reccord, A.B. (*Brown Univ.*) 1892.
Carlos Carson Rowlison, A.B. (*Eureka Coll.*) 1891.
Earl Boynton Wood, A.B. (*Bowdoin Coll.*) 1892.

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## LL.B.

John Abbott, A.B. (*Dartmouth Coll.*) 1891.
Albert Stokes Apsey, A.B. 1893.
Worthington Ely Babcock, S.B. (*Amherst Coll.*) 1892.
William Sleeper Bangs, A.B. 1892.
Lewis Bass, Jr., A.B. 1893.
John Adams Blanchard, A.B. 1891.
Charles Crosby Blaney, A.B. 1891.
Edward Ibarra Brownell, A.B. (*Brown Univ.*) 1892.
Leighton Calkins, A.B. 1890.
Charles Dexter Cleveland, A.B. (*Williams Coll.*) 1892.
Julian Codman, A.B. 1892.
James Cross Collins, A.B. (*Brown Univ.*) 1892.
Benjamin Cook, Jr., A.B. 1892.
James Ambrose Cotter, A.B. 1893.
George Hendon Currie, L.B. (*Univ. of North Carolina*), 1891.
R T Davis, Jr.
Henry Percival Dodge, A.B. 1892.
Joseph Donovan.
William Barnabas Doyle.
Seeber Edwards.
Charles Jay Emerson, A.M. (*Bates Coll.*) 1892.
Richard Stevens Eskridge.
George Stanley Fiske, A.B. 1891.
Sumner Hatherly Foster.
Lee Max Friedman, A.B. 1893.
William Eddy Fuller, A.B. 1892.
Frederik Herman Johan Gade, A.B. 1892.
William F. Garcelon, A.B. (*Bates Coll.*) 1890.
Bartholomew Moore Gatling, A.B. (*Univ. of North Carolina*) 1892.
William Henry Harrison Gentry, PH.B. (*Univ. of California*), 1892.
John Gordon.
William Towne Gunnison, A.B. (*Dartmouth Coll.*) 1892.
Charles Sherman Haight, A.B. (*Yale Univ.*) 1892.
Richard Walden Hale, A.B. 1892.
Gordon Hall, B.S. (*Trinity Coll.*) 1892.
Nelson Willard Howard, A.B. (*Bates Coll.*) 1892.
Leavitt Jarvis Hunt.
Melville Edgar Ingalls, Jr., A.B. 1892.
Frederick Larrabee Jerris, A.B. 1891.
Hugo Richards Johnstone.
Edward Batchelder Kimball, LL.B. (*Columbian Univ.*) 1892.
William Henry Lewis, A.B. (*Amherst Coll.*) 1892.
Edward Francis McClennen.
George Francis McKelleget, A.B. 1892, A.M. 1892.
Donald Paxton McPherson, A.B. (*Gettysburg Coll.*) 1889.
Charles Francis Maurice Malley, A.B. 1894.
William Florian Maurer.
Edward Muzzey Moore, A.B. 1892.
Alvin Alexander Morris, A.B. 1892.
Lewis Kennedy Morse, A.B. 1891.
John Paine, A.B. (*Trinity Coll.*) 1892.
Frank Mershon Parcells, PH.B. (*Univ. of California*) 1891.
Henry Fenno Parker, A.B. (*Brown Univ.*) 1889.
Philip Stanley Parker, A.B. 1890.
James Martin Perkins, A.B. 1892.
William Grymes Pettus, A.B. (*Yale Univ.*) 1892.

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Robert Watson Pomeroy, A.B. (*Yale Univ.*) 1891.
James Lowell Putnam, A.B. 1892.
John Quinn, LL.B. (*Georgetown Univ.*) 1893.
Gustav Adolf Rembold.
Herbert Ambrose Rice, A.B. (*Brown Univ.*) 1889, A.M. (*Ibid.*) 1891.
Joseph Clement Richard, A.B. (*St. Xavier Coll.*) 1891.
Harry Sanger Richards, PH.B. (*State Univ. of Iowa*) 1892.
George Rublee, A.B. 1890.
Alex David Salinger, A.B. (*Dartmouth Coll.*) 1892.
Francis Philip Sears, A.B. 1891.
William Henry Shea, A.B. 1892.
John Shoemaker Sheppard, Jr., A.B. (*Williams Coll.*) 1891.
Robert Porter Shick, A.B. (*Princeton Coll.*) 1890, A.M. (*Ibid.*) 1893.
Harry Tyler Smith, A.B. (*Univ. of Michigan*) 1892.
Jeremiah Smith, Jr., A.B. 1892.
Arthur Kendall Stearns.
George Stephens, Jr., A.B. 1892.
Julius Sternfeld.
Arthur Parker Stone, A.B. 1893.
Cornelius Joseph Sullivan, A.B. (*Amherst Coll.*) 1892.
Lewis Sabin Thompson, A.B. 1892.
Bernard William St. Denis Thomson.
Robert Gurdon Thomson, A.B. (*Univ. of Missouri*) 1887.
Edward Sands Townsend, A.B. 1892.
Arthur Stuart Walcott, A.B. 1891.
Charles Walcott, A.B. 1892.
William Homer Walker, PH.B. (*State Univ. of Iowa*) 1892.
Frank Beverly Williams, A.B. 1888, A.M. 1890.
Waterman Lester Williams, A.B. (*Amherst Coll.*) 1891.
Charles Sewall Wing.
Charles Gibson Winslow.
William Sylvester Woods.

**M.D. and A.M.**

Theron Harlow Carter.
Harvey Williams Cushing, A.B. (*Yale Univ.*) 1891.
Augustus William Dudley, A.B. 1891.
Cleon Melville Hibbard, A.B., S.B., L.B. (*Missouri State Univ.*) 1890.
George Henry Thomas, A.B. 1892.

**M.D.** (*Four years' course.*)

Alfred John Boyle.
Augustus Woodbury Calder, A.B. (*Brown Univ.*) 1891.
Joseph Almarin Capps, A.B. (*Illinois Coll.*) 1891.
Henry Dexter Chadwick.
Theodore Charles Erb.
Herbert James Hall.
John Clark Jones, M.D. (*Bellevue*) 1882.
Timothy Leary, Jr.
Francis Thomas Louis Magurn.
Arthur White Marsh.
Frank Wentworth Plummer, A.B. (*Dartmouth Coll.*) 1891.
Fred Stevens Smith.
Marsena Parker Smithwick, A.B. (*Bowdoin Coll.*) 1888, A.M. (*Ibid.*) 1891.
George Arthur Stuart, M.D. (*Coll. of Phys. and Surg., Iowa*), 1884.
William Northend Tenney.
Charles Sias Wright, A.B. (*Bowdoin Coll.*) 1891.

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## M.D. (*Three years' course.*)

Frederick Randolph Abbe, A.B. (*Amherst Coll.*) 1891.
John Henry Ash.
Herman Trost Baldwin, A.B. 1891.
Charles Norton Barney.
George Lawrence Barney, A.B. 1890.
Robert Emmet Camfill.
Dudley Carleton.
Arthur Lambert Chute.
Ernest Amory Codman, A.B. 1891.
Herbert Wyche Cruikshank.
William Joseph Daly.
Francis Parkman Denny, A.B. 1891.
George Carroll Dolliver, PH.B. (*Tufts Coll.*) 1891.
Richard Edward Edes, A.B. (*Johns Hopkins Univ.*) 1889.
John Marshall Willoughby Farnham, A.B. (*Amherst Coll.*) 1891.
Jefferson Cushing Gallison, M.D. (*Dartmouth Coll.*) 1887.
John Mason Hastings, A.B. (*Bowdoin Coll.*) 1891.
Henry Fox Hewes, A.B. 1890.
Edgar Miller Holmes.
Walter Kendall Jewett, A.B. (*Brown Univ.*) 1891.
Elliot Procter Joslin, A.B. (*Yale Univ.*) 1890, PH.B. (*Yale S. S.*) 1891.
Harry Delano Kennard.
Charles Norton Lake, PH.G. (*Univ. of Michigan*) 1884.
Lester Colwell Miller.
Charles Fairbank Painter, A.B. (*Johns Hopkins Univ.*) 1891.
Appleton Howe Pierce.
John Robinson Poore.
Charles Russell Lowell Putnam, A.B. 1891.
James Ambrose Quinn.
Joseph Warren Reddy.
William Henry Robey.
David Patrick Ronayne.
John James Savage.
Frank Simpson Smith.
Philip Sosnowski.
Herbert Kendall Stiles, A.B. (*Amherst Coll.*) 1891.
John Francis Sullivan.
John Peter Treanor.
James Lucas Wheaton, PH.B. (*Brown Univ.*) 1891.
Franklin Warren White, S.B. (*Mass. Inst. of Tech.*) 1890.
Frank Percival Williams.
Eugene Cushman Wylie.
Henry Dudley Young.
Jonathan Frank Young.

## D.M.D.

Ernst Sixten Arvedson.
Edward Doane Barrows.
Robert Lander Bartlett.
Clarence Augustus Carr, A.M. (*Brown Univ.*) 1890.
Walter Strout Coleman.
Dwight Ward Dickinson.
Percy Edgelow.
James Austin Furfey.
Marquis Littig.
Frederick Everett Meader.
Richard Dyer Milliken.
Robert Tucker Moffatt.
Henry Clinton O'Brien.
Patrick Henry O'Connor.
Francis Wheeler Rice.
Leopold Scheuermann.
Arthur Hale Woodcock.

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## M.D.V.

George Adams Clark.
Abijah Weld Draper.
William Walter Jakeman.
Edward Knobel.
Albert Long.
Charles Eaton McNeil.
Robert Douglas Martin.
Edward Roswell Newton.
Mark Newell North.
John Philip O'Leary.

## S.B.

Alvin Warren Bancroft.
William Edwin Clark.
Philip Whitney Davis, A.B. 1893.
Arthur Adrian Dodd, B.S.D. (*State Normal School, Mo.*) 1881, M.S.D. (*Ibid.*) 1886.
Arthur Durward, S.B. (*Univ. of Colorado*) 1893.
Norman Salisbury Easton.
Justus Watson Folsom.
George Stuart Henry.
Henry Adams Howe.
Henry Hawley Keeler.
Gilbert Falconer Kennedy.
Frederick McKendrie Lowe, B.S.D. (*State Normal School, Mo.*)
James Medbery MacKaye.
Charles Wilson Mills.
James Harvey Moore, S.B. (*Arkansas Industrial Univ.*) 1893.
Chauncey Rusch Perry.
Frederick Sanford Pratt, A.B. 1894.
Wilfred Horace Price.
George Burr Richardson, S.B. (*Coll. City of N. Y.*) 1893.
Leonard Benjamin Shoenfeld, S.B. (*Coll. City of N. Y.*) 1893.
Cabot Stevens.
Martin Buel Tinker, M.D. (*Jefferson Medical Coll.*) 1892.
John Fairfield Vaughan.

## A.B.

Truman Abbe.
Clark Hamilton Abbott.
Edward Livingston Adams, Jr.
Edward Max Adams.
Ivers Shepard Adams.
Morton Arnold Aldrich.
Henry Van Dyke Allen.
Timothy Field Allen, Jr.
Winthrop Ames.
Harry Edwin Andrews, A.B. (*Bowdoin Coll.*) 1894.
Edmund Kent Arnold.
Newton Samuel Bacon.
Newell Alvin Barker.
Frederic Huntington Bartlett.
Harry Albert Bathrick.
Ithamar Mansur Beard.
Henry Chauncey Beecher.
Max Benshimol.
Newell Bent.
Leslie Melville Bigelow.
Asa White Kenney Billings.
Norman Williams Bingham, Jr.
William Marshall Black, A.M. (*Western Maryland Coll.*) 1893.
Charles Bertrand Burwash Bowser.
Augustus Joseph Boyden.
Walter Kirkpatrick Brice.
Fritz von Briesen.
Walter Motherwell Briggs.
Walter DuBois Brookings.
Earle Brown.

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Henry Tucker Brown.
Howard Wicks Brown.
Isaac Harvey Brumbaugh, A.B. (*Haverford Coll.*) 1892.
Eugene Lincoln Bryant.
Frank James Buchanan.
Henry Adsit Bull.
Albert William Bullard.
Walter Edward Burke.
William Albert Butler.
Louis Mayer Cahn.
Winfield Henry Cameron.
Randall Thomas Capen.
William Ervin Cate.
Henry Harmon Chamberlin, Jr.
John Henry Chase.
John Morgan Cheek, A.B. (*Univ. of North Carolina*) 1893.
George Chase Christian.
Elliott Bradford Church.
Frank Nathaniel Clapp.
George Irving Clapp.
Ewing Cockrell.
Fletcher Barker Coffin.
Cary Richard Colburn.
George Franklin Cole, PH.B. (*Norwich Univ.*) 1892.
William Dennis Collins.
William Wistar Comfort, A.B. (*Haverford Coll.*) 1894.
Ernest Bancroft Conant.
John Edward Connelly.
James Wadsworth Cooke.
Alford Warriner Cooley.
Julian Lowell Coolidge.
John Stuart Coonley.
Abraham Harrison Cornish.
Henry Carter Corson.
Robert Wheaton Coues.
George Wilbert Cox, A.B. (*Acadia Coll.*) 1880.
Pemberton Hale Cressey.
Allen Crosby Crocker, A.B. (*Dartmouth Coll.*) 1894.
Joseph Edgar Crocker.
George Crompton.
Arthur Lyons Cross.
Francis Hathaway Cummings.
Philip Curtis.
Herbert Ernest Cushman, A.B. (*Bates Coll.*) 1887, D.B. (*Tufts Coll.*) 1890, A.M. (*Ibid.*) 1890.
Jonas Peter Daleen.
Pegram Dargan.
John Allen DeCou, A.B. (*Haverford Coll.*) 1894.
Edwin Sherrill Dodge.
Nathan Phillips Dodge, Jr.
Allan Edward Doucette.
Howland Dudley.
John Whittemore Eddy.
Archibald Wilkinson Edes.
Goldmann Edmunds.
Frederic Sherwood Elliot.
Arthur Elson.
William Emerson.
Robert Wales Emmons, 2d.
Percy Franklin Emory.
James Tuckerman Emott.
John Archibald Fairlie.
Marshall Bryant Fanning, A.B. (*Otterbein Univ.*) 1894.
Sydney Kinsman Fenollosa.
David Wakeman Fenton.
William Wright Fisher, A.B. (*Wesleyan Univ.*) 1894.
Charles Macomb Flandrau.
Rolfe Floyd.
Edward Waldo Forbes.
Marcus Clizbe Ford.
Herbert Baldwin Foster.
Herbert Frazier.
Charles Stratton French.
Leo Victor Friedman.

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Roy Richardson Gardner.
William Augustus Garst, A.B. (*Otterbein Univ.*) 1894.
Frank Julius Geib.
Francis Lyman Gilman.
Roger Gilman.
William Lynch Francis Gilman.
Henry Gilsey, Jr.
Elliot Hersey Goodwin.
Joseph William Goodwin, Jr.
Roland Gray.
Edmund Howard Green.
Morris Edward Greenberg.
Daniel Crosby Greene, Jr.
Randolph Clark Grew.
Charles Sumner Griffin, A.B. (*Kansas State Univ.*) 1894.
Frank Washburn Grinnell.
Frederick Orville Grover, A.B. (*Dartmouth Coll.*) 1890, A.M. (*Ibid.*) 1893.
George Livingstone Hamilton.
John Clifford Hancock.
James Chester Hanson.
Edward Harding.
Robert Waite Harrison.
Harry Fairbanks Hartwell.
Walter Thomas Hartzell.
Nathan Hayward.
Forest Alexander Heizer, A.B. (*Parsons Coll.*) 1893.
Benjamin Alexander Heydrick, A.B. (*Allegheny Coll.*) 1893.
Louis Philip Heyman, S.B. (*Agr. and Mech. Coll. of Alabama*) 1892, S.M. (*Ibid.*) 1893.
Andrew Albert Highlands.
Frederick Brackett Hill.
Michitaro Hisa.
Joseph Clement Delano Hitch.
William F Hodge.
George Hogg.
Bradbury Holbrook.
Edward Jackson Holmes.
Sumner Ricker Hooper.
Louis How.
Charles Tilden Howard.
Will David Howe, A.B. (*Butler Univ.*) 1893.
William Woods Howe, A.B. (*Buchtel Coll.*) 1891.
Thomas Bernard Hughes.
Edward Vermilye Huntington.
William Edward Hutton.
Seihin Ikeda.
Alexander Duer Irving, Jr.
Ellerton James.
Herbert Wendell Jameson.
Arthur Charles Johnson.
Reginald Hathaway Johnson.
Ralph Miller Johnson.
Shirley Everton Johnson (*Louisville, Ky., High School*) 1890.
Frederick Charles Jones.
Julio Juan Julbe.
John Glass Kaufman.
Gustavus Adolphus Kaven.
Thatcher Raymond Kimball.
Delcevare King.
Eugene Richter Knapp, Jr.
Daniel Remigius Krehbiel.
William Andrew Lackey.
Edward Bartlet Lambert.
Lucius Page Lane, S.B. (*Mass. Inst. Tech.*) 1894.
Norris Hastings Laughton.
Sydney Allen Lawton.
Arthur Sowdon Learoyd.
Gifford LeClear.
John Hopkins Leete, A.B. (*Colgate Univ.*) 1894.
John Hart Lewis.
Alexander Lincoln.
Ernest Lindsey.
Arthur Maxwell Line.
Edwin Stanton Livingood.

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George Cabot Lodge.
Harold Wesley Loker.
Percival Hall Lombard.
Arthur Henry Longfellow.
Frederic Reeves Loring, S.B. (*Mass. Inst. Tech.*) 1879.
Thornton Kirkland Lothrop, Jr.
Frederick Eldridge Lowell.
Henry Eastman Lower.
Daniel Edgar Lynch.
Peter Stephens McAdams.
Jere Joseph McCarthy.
William Joseph McDonald.
William Edward McElfresh, A.B. (*Illinois Coll.*) 1888.
Felix Francis McGirr.
John Francis McGrath.
Edmund von Mach.
John Sherwood McLucas, A.B. (*South Carolina Coll.*) 1893.
Seward Bailey McNear.
Eames MacVeagh.
Winthrop Laighton Maloon.
Albert Mann.
Samuel Vernon Mann, Jr.
Robert Livermore Manning.
William Audley Marshall, B.SC. (*Alabama Polytech. Inst.*) 1891, M.E. (*Ibid.*) 1892.
George Adams Martin.
Daniel Gregory Mason.
Valentine Horton May.
John Hanson Meader.
Edwin Godfrey Merrill.
Frank White Merriman.
Dwight Dana Miller.
Charles Henry Mills.
George Thomas Moore, Jr., S.B. (*Wabash Coll.*) 1894.
Charles John Morrison.
Robert Thomas Woodward Moss.
Ernest Augustus Mott-Smith.
William Brooks Moulton.
Thomas Patrick Mullins.
Guy Grimmer Murchie.
Frederick Hapgood Nash.
Henry Philip Nelson.
George Snow Taft Newell, Jr.
Albert Harding Newman.
Sidney Carleton Newsom, S.B. (*Northern Indiana Normal Sch.*) 1888.
Philip Nichols.
Philo Gates Noon.
Lewis J Norton, PH.B. (*Wesleyan Univ.*) 1893.
Carleton Eldredge Noyes.
William Bicknell Noyes.
Walter Burlingame Odiorne.
Harvey Officer, Jr.
Raphael Dorman O'Leary, A.B. (*Univ. of Kansas*) 1893.
Alfred James Ostheimer.
Edward Samuel Page.
Chauncey David Parker.
Torrance Parker.
Albert Mansfield Patterson, Jr.
William Rodman Peabody.
Edward Luther Perry.
Andrew James Peters, Jr.
Morrison Pettus.
Philip DeWitt Phair, L.B. (*Trinity Coll.*) 1894.
James Peter Phelan.
Stephen Willard Phillips.
Arthur Stanwood Pier.
Charles Sumner Pierce.
Horace Davis Pillsbury.
Ralph Shaw Pitts.
Eugene Hillhouse Pool.
Franklin Osborne Poole.
James Foster Porter.
Charles Anthony Poth.
Austin Potter.
Alexander Carleton Potter.
Murray Anthony Potter.

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Plinio da Silva Prado.
Henry Washington Prescott.
Benjamin Sidney Priest.
Thomas Emerson Proctor, Jr.
James Purdon.
Oscar Quick.
John Gordon Quigley.
Robert Lovejoy Raymond.
John Bertram Read.
Brooks Reed.
William Hale Reed.
Louis Clark Renfro.
Cale Young Rice, A.B. (*Cumberland Univ.*) 1893.
William Halderman Riddle, A.B. (*Kansas Univ.*) 1893.
Ralph Curtis Ringwalt.
Joseph Robbins.
George Washington Robinson.
William Walker Rockwell.
Louis Jacob Roess.
William Chandler Rogers.
Pierre la Rose.
John C Rowe.
Arthur Joseph Russell.
Henry Augustus Low Sand.
Joseph Sargent, Jr.
James Herbert Sawtell, A.B. (*Univ. of Kansas*) 1892.
Arthur Becker Schaffner.
Joseph Williams Schereschewsky.
Max Leopold Scull.
Charles Edward Seaman, A.B. (*Acadia Coll.*) 1892.
Frederic Edmund Sears.
Walter Edwin Severance.
Moses Austin Cartland Shackford.
Philip Price Sharples.
Carleton Anderson Shaw.
Wilmon Henry Sheldon.
Francis Stuart Simpson, A.B. (*Dalhousie Coll.*) 1894.
Charles Edward Smith.
George Lawrence Smith.
Harrison Willard Smith.
Jerome Carruth Smith.
William Austin Smith.
William Hemans Smith.
Herbert Laird Wingate Snell.
Frederick Stedman Snow.
Thorndike Spalding.
Henry Benning Spencer.
Frank Nicholas Spindler, A.B. (*Oberlin Coll.*) 1894.
Julius Staab, A.B. (*Swarthmore Coll.*) 1893.
Joseph Lewis Stackpole, Jr.
William Everett Stark.
Edwin Harrison Steedman.
Alexander Francis Stevenson, Jr.
Joseph Trumbull Stickney.
Edwin Tenney Stiger.
Rufus Whittaker Stimson.
Elener Edgar Stoll, A.B. (*Wooster Univ.*) 1893.
John Percival Sylvester.
William Whitman Symmes.
Henry Russell Talbot.
Arthur Page Teele.
John Willard Thomas.
Victor Sumner Thomas.
Frederick Putnam Thomson.
Jay Linton Thompson.
Dexter Tiffany, Jr.
Wilder Tileston.
William Monroe Trotter.
Henry D Tudor.
Alfred Elwyn Upham.
Walter Lindsay VanKleeck.
Robert Walcott.
Brooks Walker.
Townsend Walsh.
Edward Henry Warren.
James Murray Washburn.
Paul Washburn.
George Arthur Waterman.

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Alfred Sigismund Weill.
Alvin Wertheimer.
Thomas Weston, Jr.
Richard Wheatland.
John Thomas Whicher.
Norman Hill White.
Samuel Peregrine White.
Alexander Whiteside, Jr.
Raymond Lee Whitman.
Holmes Whitmore.
Howard Whitmore.
Myron William Whitney, Jr.
James Kelsey Whittemore.
Parker Williams Whittemore.
Chester James Wilcomb.
David Parsons Wilder.
Alfred Samuel Williams.
Earnest Porte Williams.
Frederick Bradlee Winslow.
Robert Mason Winthrop.
William Burns Wolffe.
Gustav Wollaeger, Jr.
George La Monte Woodard.
Willis Patten Woodman.
Herbert Richardson Woods.
Ralph Frank Woodward.
John Winthrop Worthington.
Robert Duffield Wrenn.
Herbert Hilarion Yeames.
William Sterling Youngman.
Frederic Yorston, A.B. (*Dalhousie Coll.*) 1894.

*Out of Course.*

**A.M.**

Joseph William Carr, as of the class of 1894.
Frank Bernard Gallivan, as of the class of 1894.
James Waterman Glover, as of the class of 1894.
William Wallace Hammond, as of the class of 1894.
John Strother Humphreys, as of the class of 1894.
George Benjamin Rogers, as of the class of 1894.

**LL.B.**

Philip Ashley Crapo, as of the class of 1894.
Archibald Read Tisdale, as of the class of 1894.
James Henry Fennessy, as of the class of 1894.

**M.D.**

Thomas Leo Stanton, as of the class of 1894.

**S.B.**

Jesse Lenhart Frazeur, as of the class of 1894.
Caleb Tanner, as of the class of 1894.

**A.B.**

George Henry Sargent, as of the class of 1853.
Edwin Denison Morgan, as of the class of 1877.
Edward Leland Clarke Morse, as of the class of 1877.
Arthur Murray Sherwood, as of the class of 1877.

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William Bradford Clark, as of the class of 1880.
Walter Sawyer Adams, as of the class of 1893.
Philip Turner Brown, as of the class of 1893.
James Waterman Glover, as of the class of 1893.
Louis Anton Ernst Ahlers, as of the class of 1894.
Samuel Barnum, as of the class of 1894.
Harry Richards Coffin, as of the class of 1894.
Morris William Croll, as of the class of 1894.
William Rufus Dodson, as of the class of 1894.
Frank Warren Eaton, as of the class of 1894.
Theodore Lincoln Harley, as of the class of 1894.
Warren Dustin Holt, as of the class of 1894.
John Dana Hubbell, as of the class of 1894.
William Trumbull Holmes, as of the class of 1894.
William Charles Mackie, as of the class of 1894.
Percy Howland de Mauriac, as of the class of 1894.
Maxwell Norman, as of the class of 1894.
Daniel Clayton Peacock, as of the class of 1894.
John McClellan Prather, as of the class of 1894.
Everett Clifton Roché, as of the class of 1894.
William Harvey Rush, as of the class of 1894.
William Ambrose Dudley Short, as the class of 1894.
Henry Burnside Smith, as of the class of 1894.
George Thomas Weitzel, as of the class of 1894.

## COMMENCEMENT PARTS.

*Orations.*

Morton Arnold Aldrich.
Max Benshimol.
Asa White Kenney Billings.
Julian Lowell Coolidge.
Herbert Baldwin Foster.
Roland Gray.
Henry Washington Prescott.
Oscar Quick.
William Everett Stark.
James Kelsey Whittemore.

*Dissertations.*

Truman Abbe.
Edmund Kent Arnold.
Newell Alvin Barker.
Frederic Huntington Bartlett.
Harry Albert Bathrick.
Frank James Buchanan.
John Henry Chase.
George Irving Clapp.
Fletcher Barker Coffin.
William Dennis Collins.
Joseph Edgar Crocker.
Arthur Lyons Cross.

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Goldmann Edmunds.
John Archibald Fairlie.
Francis Lyman Gilman.
Roger Gilman.
Joseph William Goodwin, Jr.
George Livingstone Hamilton.
Michitaro Hisa.
Edward Vermilye Huntington.
Arthur Charles Johnson.
Delcevare King.
John Hart Lewis.
Alexander Lincoln.
Harold Wesley Loker.
Edwin Godfrey Merrill.
Frederick Hapgood Nash.
Albert Harding Newman.
Philo Gates Noon.
Carleton Eldredge Noyes.
Torrance Parker.
Albert Mansfield Patterson.
William Rodman Peabody.
Stephen Willard Phillips.
Arthur Stanwood Pier.
William Walker Rockwell.
John C Rowe.
Arthur Becker Schaffner.
Walter Edwin Severance.
Philip Price Sharples.
Herbert Laird Wingate Snell.
Joseph Trumbull Stickney.
John Percival Sylvester.
William Whitman Symmes.
Victor Sumner Thomas.
Wilder Tileston.
William Monroe Trotter.
Walter Lindsay Van Kleeck.
Robert Walcott.
Edward Henry Warren.
Willis Patten Woodman.
Herbert Hilarion Yeames.

*Disquisitions.*

Edward Max Adams.
Newton Samuel Bacon.
Leslie Melville Bigelow.
Augustus Joseph Boyden.
Walter Kirkpatrick Brice.
Fritz von Briesen.
Howard Wicks Brown.
Eugene Lincoln Bryant.
Louis Mayer Cahn.
Henry Harmon Chamberlin.
George Chase Christian.
Ewing Cockrell.
Cary Richard Colburn.
John Edward Connelly.
Pemberton Hale Cressey.
Howland Dudley.
Archibald Wilkinson Edes.
Frederic Sherwood Elliot.
Arthur Elson.
William Emerson.
Sydney Kinsman Fenollosa.
Charles Stratton French.
Frank Julius Geib.
Elliot Hersey Goodwin.
James Chester Hanson.
Walter Thomas Hartzell.
Frederick Richard Hodge.
Bradbury Holbrook.
William Edward Hutton.
John Glass Kaufman.
Gifford LeClear.
Ernest Lindsey.
Arthur Maxwell Line.
Arthur Henry Longfellow.
William Joseph McDonald.
Edmund von Mach.
Albert Vernon Mann.
Daniel Gregory Mason.
John Hanson Meader.
Frank White Merriman.

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PHILIP NICHOLS.
WILLIAM BICKNELL NOYES.
ALFRED JAMES OSTHEIMER.
EDWARD SAMUEL PAGE.
EDWARD LUTHER PERRY.
HORACE DAVIS PILLSBURY.
FRANKLIN OSBORNE POOLE.
JAMES FOSTER PORTER.
ALEXANDER CARLETON POTTER.
MURRAY ANTHONY POTTER.
PLINIO DA SILVA PRADO.
RALPH CURTIS RINGWALT.
JOSEPH ROBBINS.
GEORGE WASHINGTON ROBINSON.
LOUIS JACOB ROESS.
ARTHUR JOSEPH RUSSELL.
CARLETON ANDERSON SHAW.
WILMON HENRY SHELDON.
WILLIAM HEMANS SMITH.
HARRISON WILLARD SMITH.
JOSEPH LEWIS STACKPOLE, JR.
ALEXANDER FRANCIS STEVENSON.
TOWNSEND WALSH.
THOMAS WESTON.
SAMUEL PEREGRINE WHITE.
HOLMES WHITMORE.
HOWARD WHITMORE.
CHESTER JAMES WILCOMB.
FRED BRADLEE WINSLOW.
GUSTAV WOLLAEGER, JR.
RALPH FRANK WOODWARD.
JOHN WINTHROP WORTHINGTON.
WILLIAM STERLING YOUNGMAN.

## FINAL HONORS.

*In Classics.*

| | |
|---|---|
| WILLIAM SARGENT BURRAGE, A.B., | Honors. |
| JOSEPH TRUMBULL STICKNEY, | Honors. |
| WILLIS PATTEN WOODMAN, | Honors. |
| HERBERT HILARION YEAMES, | Honors. |

*In English.*

| | |
|---|---|
| ROSCOE ADDISON SMALL, A.B., | Highest Honors. |
| MORRIS WILLIAM CROLL, A.M., | Honors. |

*In History.*

| | |
|---|---|
| WILLIAM JOSEPH WHITNEY, A.B., | Highest Honors. |
| STEPHEN WILLARD PHILLIPS, | Honors. |

*In Political Science.*

| | |
|---|---|
| MORTON ARNOLD ALDRICH, | Highest Honors. |

*In Mathematics.*

| | |
|---|---|
| JULIAN LOWELL COOLIDGE, | Highest Honors. |
| JAMES KELSEY WHITTEMORE, | Highest Honors. |
| CHARLES LEWIS LAWRENCE, A.B., | Honors. |

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*In Physics.*

ASA WHITE KENNEY BILLINGS, **Highest Honors.**

*In Chemistry.*

JOHN PERCIVAL SYLVESTER, **Honors.**

## HONORABLE MENTION.

TRUMAN ABBE. *Chemistry; Natural History.*
MORTON ARNOLD ALDRICH. *Philosophy; Economics, bis.*
HENRY VAN DYKE ALLEN. *Engineering.*
HARRY EDWIN ANDREWS, A.B. *English Literature.*
EDMUND KENT ARNOLD. *French; History.*
NEWTON SAMUEL BACON. *Chemistry.*
NEWELL ALVIN BARKER. *Greek; Latin, bis.*
FREDERIC HUNTINGTON BARTLETT. *Philosophy.*
HARRY ALBERT BATHRICK. *Chemistry.*
MAX BENSHIMOL. *Semitic; Greek, bis; Latin.*
ASA WHITE KENNEY BILLINGS. *Mathematics; Engineering; Physics.*
AUGUSTUS JOSEPH BOYDEN. *Philosophy.*
JOHN ALFRED BREWSTER. *Economics.*
FRITZ VON BRIESEN. *Economics.*
HENRY ADSIT BULL. *History.*
ALBERT WILLIAM BULLARD. *Music.*
HENRY HARMON CHAMBERLIN. *English Composition.*
JOHN HENRY CHASE. *Mathematics.*
JOHN MORGAN CHEEK, A.B. *Philosophy.*
GEORGE CHASE CHRISTIAN. *French.*
ELLIOTT BRADFORD CHURCH. *History.*
GEORGE IRVING CLAPP. *Philosophy; Natural History.*
EWING COCKRELL. *History.*
FLETCHER BARKER COFFIN. *History; Economics.*
WILLIAM DENNIS COLLINS. *Mathematics; Physics.*
JAMES WADSWORTH COOKE. *History.*
JULIAN LOWELL COOLIDGE. *Philosophy; Mathematics, bis.*
HENRY CARTER CORSON. *Greek.*
GEORGE WILBERT COX, A.B. *Economics.*
JOSEPH EDGAR CROCKER. *Greek; Latin, bis.*
ARTHUR LYONS CROSS. *Philosophy; History.*
FRANCIS HATHAWAY CUMMINGS. *French.*
HERBERT ERNEST CUSHMAN, A.M., D.B. *Philosophy.*

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Allan Edward Doucette. *Physics.*
Goldmann Edmunds. *History.*
Frederic Sherwood Elliot. *History.*
Arthur Elson. *Chemistry.*
William Emerson. *French.*
John Archibald Fairlie. *History.*
Sydney Kinsman Fenollosa. *French; Natural History.*
Charles Macomb Flandrau. *English Composition.*
Rolfe Floyd. *Natural History, bis.*
Herbert Baldwin Foster. *Greek; Latin.*
Charles Stratton French. *French.*
William Augustus Garst, A.B. *History.*
Frank Julius Geib. *German.*
Francis Lyman Gilman. *Mathematics; Physics.*
Madison Gillham Gonterman. *Economics.*
Elliot Hersey Goodwin. *History.*
Joseph William Goodwin. *History.*
Roland Gray. *Philosophy.*
Morris Edward Greenberg. *Philosophy.*
Frank Washburn Grinnell. *History.*
Frederick Orville Grover, A.M. *Natural History.*
George Livingstone Hamilton. *Italian; Spanish; Comparative Literature.*
James Chester Hanson. *History.*
Edward Harding. *History.*
Forest Alexander Heizer, A.B. *History.*
Benjamin Alexander Heydrick, A.B. *English Literature.*
Michitaro Hisa. *History; Economics, bis.*
Frederick Richard Hodge. *Philosophy.*
William F Hodge. *History; Economics.*
Sumner Ricker Hooper. *Philosophy.*
William David Howe, A.B. *English Literature.*
Edward Vermilye Huntington. *Mathematics.*
William Edward Hutton. *History; Economics.*
Seihin Ikeda. *Economics.*
Arthur Charles Johnson. *Greek.*
Frederick Charles Jones. *Chemistry.*
John Glass Kaufman. *History.*
Thatcher Raymond Kimball. *Economics.*
Delcevare King. *English Literature; History; Economics.*
Daniel Remigius Krehbiel. *Natural History.*
Lucius Page Lane, S.B. *Philosophy.*
Gifford Le Clear. *Mathematics; Physics.*

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JOHN HART LEWIS. *English Literature.*
ALEXANDER LINCOLN. *Mathematics.*
ERNEST LINDSEY. *History.*
ARTHUR MAXWELL LINE. *French.*
GEORGE CABOT LODGE. *French.*
HAROLD WESLEY LOKER. *Greek; Latin.*
THORNTON KIRKLAND LOTHROP. *Natural History.*
HENRY EASTMAN LOWER. *English Composition.*
JERE JOSEPH MCCARTHY. *History.*
EDMUND VON MACH. *Greek.*
SEWARD BAILEY MCNEAR. *History.*
ALBERT MANN. *Engineering.*
DANIEL GREGORY MASON. *Music.*
JOHN HANSON MEADER. *Philosophy.*
EDWIN GODFREY MERRILL. *French; History.*
GEORGE THOMAS MOORE, S.B. *Natural History.*
ERNEST AUGUSTUS MOTT-SMITH. *History.*
WILLIAM BROOKS MOULTON. *History.*
FREDERICK HAPGOOD NASH. *French.*
ALBERT HARDING NEWMAN. *History; Economics.*
PHILIP NICHOLS. *History.*
CARLETON ELDREDGE NOYES. *English Composition; English Literature.*
WILLIAM BICKNELL NOYES. *French.*
ALFRED JAMES OSTHEIMER. *Natural History.*
EDWARD SAMUEL PAGE. *History.*
TORRANCE PARKER. *French; History.*
ALBERT MANSFIELD PATTERSON. *French.*
WILLIAM RODMAN PEABODY. *History; Economics.*
PHILIP DE WITT PHAIR, L.B. *History.*
STEPHEN WILLARD PHILLIPS. *History, bis.*
ARTHUR STANWOOD PIER. *English Composition; History.*
HORACE DAVIS PILLSBURY. *French; History.*
FRANKLIN OSBORNE POOLE. *History.*
JAMES FOSTER PORTER. *Natural History, bis.*
CHARLES ANTHONY POTH. *Economics.*
MURRAY ANTHONY POTTER. *Sanskrit.*
PLINIO DA SILVA PRADO. *French; History.*
HENRY WASHINGTON PRESCOTT. *Greek; Latin.*
OSCAR QUICK. *Mathematics; Physics.*
LOUIS CLARK RENFRO. *Philosophy.*
CALE YOUNG RICE, A.B. *Philosophy.*
WILLIAM HALDERMAN RIDDLE, A.B. *Mathematics.*

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JOSEPH ROBBINS. *Economics.*
GEORGE WASHINGTON ROBINSON. *Greek; Latin.*
WILLIAM CHANDLER ROGERS. *French.*
JOHN C ROWE. *History, bis; Economics.*
ARTHUR JOSEPH RUSSELL. *French.*
CHARLES EDWARD SEAMAN, A.B. *Economics.*
WALTER EDWIN SEVERANCE. *Greek; Latin.*
PHILIP PRICE SHARPLES. *Chemistry, bis; Natural History.*
WILMON HENRY SHELDON. *Philosophy.*
WILLIAM HEMANS SMITH. *Philosophy; History.*
HARRISON WILLARD SMITH. *Mathematics; Physics.*
HERBERT LAIRD WINGATE SNELL. *Philosophy.*
HENRY BENNING SPENCER. *Physics.*
FRANK NICHOLAS SPINDLER, A.B. *Philosophy.*
JOSEPH LEWIS STACKPOLE. *Mathematics, bis.*
WILLIAM EVERETT STARK. *Mathematics; Engineering.*
EDWIN HARRISON STEEDMAN. *Engineering.*
ALEXANDERR FRANCIS STEVENSON. *History.*
JOSEPH TRUMBULL STICKNEY. *Greek; Latin.*
RUFUS WHITTAKER STIMSON. *Philosophy.*
ELENER EDGAR STOLL, A.B. *English Literature.*
JOHN PERCIVAL SYLVESTER. *Chemistry, bis.*
WILLIAM WHITMAN SYMMES. *History; Economics.*
JAY LINTON THOMPSON. *French.*
ALFRED ELWYN UPHAM. *History.*
WALTER LINDSAY VAN KLEECK. *Economics; Mathematics.*
TOWNSEND WALSH. *English Composition; French.*
EDWARD HENRY WARREN. *Philosophy: Economics.*
GEORGE ARTHUR WATERMAN. *Natural History.*
SAMUEL PEREGRINE WHITE. *History.*
ALEXANDER WHITESIDE. *History.*
HOWARD WHITMORE. *History.*
JACOB KELSEY WHITTEMORE. *Mathematics, bis.*
EARNEST PORTE WILLIAMS. *History.*
GUSTAV WOLLAEGER. *Mathematics.*
WILLIS PATTEN WOODMAN. *Greek; Latin.*
JOHN WINTHROP WORTHINGTON. *History.*
HERBERT HILARION YEAMES. *Greek; Latin.*

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## SECOND-YEAR HONORS.

### *In Classics.*

*Senior:*

| | |
|---|---|
| Edmund von Mach, | Honors. |
| George Washington Robinson, | Honors. |

*Juniors:*

| | |
|---|---|
| George Henry Chase, | Highest Honors. |
| Herbert Thomas Rich, | Honors. |

*Sophomores:*

| | |
|---|---|
| Frederic Willis Brown, | Honors. |
| Arthur Alexis Bryant, | Honors. |
| Henry Gunther Gray, | Honors. |
| Charles Wesley Hobbs, | Honors. |
| Henry Barrett Huntington, | Honors. |

### *In History.*

*Juniors:*

| | |
|---|---|
| Sidney Bradshaw Fay, | Highest Honors. |
| Joseph Parker Warren, | Highest Honors. |
| Harold Ethelbert Addison, | Honors. |
| John Charles States Andrew, | Honors. |

*Sophomore:*

| | |
|---|---|
| James Duncan Phillips, | Honors. |

### *In Mathematics.*

*Junior:*

| | |
|---|---|
| Arthur Ingraham, | Honors. |

*Sophomores:*

| | |
|---|---|
| Joseph Sidney Francis, | Honors. |
| Jonathan Balcom Hayward, | Honors. |
| Charles Jenney, | Honors. |

### *In Physics.*

*Sophomore:*

| | |
|---|---|
| Jonathan Balcom Hayward, | Honors. |

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## HOLDERS OF FELLOWSHIPS AND SCHOLARSHIPS.

(Appointed in 1895.)

### THE GRADUATE SCHOOL.

*Harris Fellowship.*

FRED NORRIS ROBINSON.

*Rogers Fellowships.*

FRANK DYER CHESTER.
WILLIAM HENRY SCHOFIELD.

*Parker Fellowships.*

HARRY EDWIN BURTON.
IRVING WETHERBEE FAY.
HERBERT MAULE RICHARDS.
ARTHUR WISSWALD WEYSSE.

*John Thornton Kirkland Fellowship.*

JAMES SULLIVAN, JR.

*James Walker Fellowship.*

ROBERT MACDOUGALL.

*John Tyndall Scholarship.*

WILLIAM DUANE.

*Robert Treat Paine Fellowship.*

ENOCH HOWARD VICKERS.

*Morgan Fellowships.*

CHARLES LEONARD BOUTON.
ARTHUR STODDARD COOLEY.
HERBERT SPENCER JENNINGS.
BORIS SIDIS.

*Henry Lee Memorial Fellowship.*

OLIVER MITCHELL WENTWORTH SPRAGUE.

*Ozias Goodwin Memorial Fellowship.*

KENDRIC CHARLES BABCOCK.

*Henry Bromfield Rogers Memorial Fellowship.*

ABRAM PIATT ANDREW, JR.

*John Harvard Fellowships.*

CHARLES MONTAGUE BAKEWELL.
GEORGE ANDREW REISNER.

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*Scholarships.*

### Shattuck.

JONATHAN BAILEY BROWDER.
DONALD FRANK CAMPBELL.
GEORGE DAVIS CHASE.
FRANCIS FRANKLIN DAVIS.
FRANK EDGAR FARLEY.
JAMES THOMAS PUGH.
FREDERICK WILSON TRUSCOTT.

### Thayer.

ASA WHITE KENNEY BILLINGS.
JOHN HENRY BOYNTON.
HOWARD HAMBLETT COOK.
MARTIN HILL ITTNER.
JOHN DANIEL LOGAN.
GEORGE THOMAS MOORE, JR.
EDWIN GORDON PARKER.
MILTON BROCKETT PORTER.
WILBUR HENRY SIEBERT.
WILLIAM HENRY SNYDER.

### Townsend.

WILLIAM PRESTON FEW.
JOHN MCCLELLAN PRATHER.
WILLIAM HALDERMAN RIDDLE.
ARTHUR MAYER WOLFSON.
SHERMAN MELVILLE WOODWARD.

### Gorham Thomas.

HERBERT ERNEST CUSHMAN.

### Toppan.

ROSCOE ADDISON SMALL.

### Virginia Barret Gibbs.

SEITARO GOTO.

### Harvard Club of San Francisico.

ARTHUR ONCKEN LOVEJOY.

### Harvard Club of Chicago.

JOHN ALBRECHT WALZ.

### James Savage.

HERBERT VINCENT NEAL.

### George and Martha Derby.

HENRY AUGUSTUS TORREY.

### Charles Haven Goodwin.

ARTHUR WINFRED HODGMAN.

### University.

THOMAS ALLISON.
MAX BENSHIMOL.
CLARENCE POWERS BILL.
CHARLES ARTHUR LEWIS BROWN.
WILLIAM BRADFORD BUCK.
JOHN ARCHIBALD FAIRLIE.
BENJAMIN OLIVER FOSTER.
FREDERICK ORVILLE GROVER.
ERNEST DANIEL GRAND.
CHARLES SUMNER GRIFFIN.
ROBERT WILLIAM HALL.
ALBERT ELMER HANCOCK.
OLIVER BRIDGES HENSHAW.
WILLIAM EDWARD MCELFRESH.
WATSON NICHOLSON.
WENDELL PHILLIPS PARKER.
NORMAN COLMAN RIGGS.
MACY MILLMORE SKINNER.
FRANK NICHOLAS SPINDLER.
FRED CLAYTON WAITE.
HERBERT HILARION YEAMES.

### Leverett Saltonstall.

FREDERICK PUTNAM GULLIVER.

### Edward Russell.

LEON MENDEZ SOLOMONS.

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## THE COLLEGE.

### Class of 1895.

| | |
|---|---|
| Asa White Kenney Billings, | Palfrey Exhibition. |

### Class of 1896.

| | *Name of Scholarship.* |
|---|---|
| George Henry Chase, | Gambrill. |
| Harry Lamprey Brown, | Class of 1802. |
| Harry Augustus Bigelow, | Class of 1856. |
| Paul Capron, | Class of 1856. |
| Francis Déak Pollak, | Morey. |
| Walter Bradford Cannon, | Price Greenleaf. |
| Harold Edwards, | Slade. |
| Sidney Bradshaw Fay, | Bowditch. |
| Ernest Clarence Jewell, | Price Greenleaf. |
| Fred Rinaldo Lewis, | Price Greenleaf. |
| Prescott Orde Skinner, | Price Greenleaf. |
| William Cook Gray, | Bowditch. |
| John Edwards LeBosquet, | Bowditch. |
| Herschel Wilder Lewis, | Bowditch. |
| Archer Tyler Robinson, | Bowditch. |
| Philip Redfield Dean, | Bowditch. |
| Gilbert Newton Lewis, | Hodges. |
| George Williams Mathews, | Whiting. |
| George Homer Spalding, | Cudworth. |
| Noah Jay Brumbaugh, | Class of 1817. |
| Alexander Forsyth, | Class of 1835. |
| Porter Edward Sargent, | Rogers. |
| Jonas Viles, | Perkins. |
| Joseph Parker Warren, | Lady Mowlson. |
| Everett Larcom Creesy, | Sever. |
| Frank Russell Page, | Bassett. |
| Herbert Thomas Rich, | Class of 1828. |
| Frank Sawyer Gilkey, | Saltonstall. |
| John Strong Perry Tatlock, | Matthews. |
| Arthur Minturn Chase, | Matthews. |
| Walter Russell Lord, | Matthews. |
| Selden Peabody Delany, | Matthews. |
| Charles Newton Lathrop, | Matthews. |
| Samuel Ward Boardman, | Mary Saltonstall. |

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## Class of 1897.

| | |
|---|---|
| Robert Edwin Olds, | Price Greenleaf. |
| Charles Hull Batchelder, | Price Greenleaf. |
| Albert Straw Howard, | Cudworth. |
| Arthur William Ryder, | Price Greenleaf. |
| Rufus William Sprague, Jr., | Price Greenleaf. |
| Winfred Horton Osborne, | Bowditch. |
| Arthur Alexis Bryant, | Bowditch. |
| Goldthwaite Maynard Higginson Dorr, | Bowditch. |
| Samuel Richard Hayter, | Matthews. |
| Lester Elliott Herrick, | Bowditch. |
| Frederick Thomas Lewis, | Walcott. |
| Harry Miller Lydenberg, | Bowditch. |
| Robert Russell Hollister, | Bowditch. |
| Charles Jenney, | Bowditch. |
| Edward Eggleston Rice, | Burr. |
| Henry Williamson Beal, | Whiting. |
| Irving Lester Fisk, | Sewall. |
| Charles Wesley Hobbs, | Lowell. |
| Albert Edward King, | Bassett. |
| William Belmont Parker, | Hollis. |
| Daniel Sullivan, | Lowell. |
| Charles Livingstone Stebbins, | Burr. |
| Benjamin Standish Baker, | Sales. |
| George Thomas, | Walcott. |
| William Edmund Dowty, Jr. | Matthews. |
| Newton Henry Black, | Abbot. |
| Leonard Kingsley Smith, | Matthews. |
| Charles Conant Harriman, | Matthews. |
| Henry Barrett Huntington, | Matthews. |
| Harold King Stanley, | Matthews. |
| Manuel Emilio Fenollosa, | Browne. |
| Harry Clarke Plum, | Matthews. |
| Howard Bigelow Jackson, | E. R. Hoar. |
| Christopher Minot Weld, | Choate. |
| Francis Minot Weld, | Choate. |
| Sydney Howard Borden, | Fall River. |
| Walter Alden Griffin, | Mary Saltonstall. |
| Jonathan Balcom Hayward, | Bartlett. |
| Walter Monroe Grant, | Burr. |
| Joseph William Sharts, | Pennoyer. |

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## Class of 1898.

| | |
|---|---|
| Frederick Sherman Arnold, | Matthews. |
| Carl Newell Jackson, | Price Greenleaf. |
| Clarence King Moore, | Price Greenleaf. |
| Edmund Blake Barton, | Merrick. |
| Johannes Lassen Boysen, | Bowditch. |
| Francis Paul Garland, | Bowditch. |
| Hazen Pierce Philbrick, | Bowditch. |
| Hiram Hall Roberts, | Bowditch. |
| Eric Arthur Starbuck, | Bowditch. |
| Charles Hamilton Ayres, Jr. | Bowditch. |
| Frank Hendrick, | Bowditch. |
| Herbert Sumner Packard, | Bigelow. |
| Ralph Pierson, | W. S. Eliot. |
| Ralph Stout, | Bigelow. |
| Ashton Livermore Carr, | Bright. |
| Louis Adams Fales, | Humphrey. |
| Samuel Graham Underhill, | Bright. |
| Ransom Davisson Brackett, | Bright. |
| Richmond Lane Chipman, | Dana. |
| John Taggart Clark, | Bright. |
| Paul Francis Julius Gierasch, | Bright. |
| William Henry Paine Hatch, | Matthews. |
| Laurence Henry Parkhurst, | Greene. |
| Starr MacGregor Pierce, | Sales. |
| Vine Harold Smith, | Sewall. |
| Fullerton Leonard Waldo, | Kirkland. |
| Frank Alexander Kennedy, | Class of 1814. |
| William Gordon Stuart McIntyre, | Doe. |
| Charles Ernest Brown, | Story. |
| Leland Emerson Bristol, | Bassett. |
| James Gordon Gulick, | Pennoyer. |
| George Wendall Howland, | Pennoyer. |
| Cyril Norman King, | Matthews. |
| Robert Palfrey Utter, | Pennoyer. |
| Louis Lincoln Whitney, | Levina Hoar. |
| Richard Thornton Fisher, | Class of 1841. |
| Herbert Richardson Morse, | Farrar. |

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## THE LAWRENCE SCIENTIFIC SCHOOL.

(Appointments for 1895–96.)

| | |
|---|---|
| Edwin Greeley Davis, | University. |
| Fred Victor Edgell, | University. |
| Alexander Franklin Giese, | University. |
| Stephen Upshur Hopkins, | University. |
| Harold Wellington Horne, | University. |
| Hugh Fessenden Kendall, | University. |
| Joseph Harold Libbey, | University. |
| Arthur Valerius Augustus McCauley, | University. |
| Robert Falconer Massa, | University. |
| Walter Sears Rich, | University. |
| James Forrest Sanborn, | University. |
| Clarence Snow, | University. |
| Edward Winslow Stevens, | University. |
| Emanuel Verveer, | University. |
| John William Wood, Jr., | University. |
| Joseph Edmund Woodman, | University. |
| Samuel Bartlett Field, | Normal School. |
| Robert Warren Fuller, | Normal School. |
| David Gibbs, | Normal School. |
| Albert Smith Hanna, | Normal School. |
| Linus Ward Kline, | Normal School. |
| Arthur Orlo Norton, | Normal School. |

## THE MEDICAL SCHOOL.

(Appointments for 1895–96.

| | |
|---|---|
| Howard Townsend Swain, | Edward M. Barringer, No. 1. |
| George Burgess Magrath, | Edward M. Barringer, No. 2. |
| William Wirt Harvey, | Isaac Sweetser. |
| LeRoi Goddard Crandon, | Claudius M. Jones. |
| Frederick William Watkeys, | Orlando W. Doe. |
| Maynard Ladd, | Charles Pratt Strong. |
| Henry Allen Webber, | Alfred Hosmer Linder. |
| Charles Burton Wormelle, | Faculty. |
| Ralph Emerson Stevens, | Faculty. |
| James Spencer Moore, | Faculty. |
| Lucretius Henry Ross, | Faculty. |

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## THE DIVINITY SCHOOL.

(Appointments for 1894–95.)

*Williams Fellowships.*

ALEXANDER PHOENIX BOURNE.

*Edward Hopkins's Students of Divinity.*

ARTHUR HERBERT COAR.
CHARLES MELVIS CROOKS.
EDWARD KENNARD RAND.
AUGUSTUS PHINEAS RECCORD.
EDWIN ELI STARBUCK.
WALLACE NELSON STEARNS.

*Scholarships.*

| | |
|---|---|
| SILAS JONES, | Chapman. |
| JOSEPH CADY ALLEN, | Cary. |
| HARRY OLIVER HANNUM, | Cary. |
| JOHN HENRY APPLEBEE, | Jackson. |
| FREDERICK MARSH BENNETT, | Jackson. |
| WILLIAM CHANNING BROWN, | Jackson. |
| WILLARD REED, | Jackson. |
| GEORGE RUDOLPH GEBAUER, | Clapp. |
| JOHN EDWARD BORNCAMP, | Kendall. |
| KERNAN ROBSON, | J. H. Kendall. |
| JOSEPH HENRY JONES, | Buttrick Fund. |
| ANDREW URQUHART OGILVIE, | Buttrick Fund. |
| CHARLES ALBERT PARKER, | Buttrick Fund. |
| CARLOS CARSON ROWLISON. | Buttrick Fund. |
| HENRY COLLIER WRIGHT, | Buttrick Fund. |
| JOSEPH FRANCIS LANGTON, | Pomroy Fund. |

## AWARDS OF PRIZES. 1893-94.

### Bowdoin Prizes.

I.

To JOSEPH RICHARD TAYLOR, of the Graduate School, a prize of $100 for a translation into Greek.

To ARTHUR WINFRED HODGMAN, of the Graduate School, a prize of $100 for a translation into Latin.

To GEORGE RAPALL NOYES, of the Graduate School, a prize of $100 for a dissertation on *The life and political character of Theramenes.*

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II.

To JOHN ARCHIBALD FAIRLIE, of the Senior Class, a prize of $100 for a dissertation on *The Wisdom of Gladstone's Policy of Home Rule for Ireland.*

III.

To HAROLD ETHELBERT ADDISON, of the Junior Class, a prize of $75 for a dissertation on *The Apostacy of Julian and the Pagan reaction of his time.*

To WILLIS PATTEN WOODMAN, of the Senior Class, a prize of $75 for *a translation into Latin.*

IV.

To ASA WHITE KENNEY BILLINGS, of the Senior Class, a prize of $100 for a dissertation entitled, *A historical sketch of theories as to the nature of electricity with especial attention to changes of theory within recent years.*

JUDGES.

*Class* II: Professor CHANNING, Dr. J. J. PUTNAM, MOORFIELD STOREY, Esq.

*Class* III: Professor ALLEN, Professor GREENOUGH, Professor J. R. WHEELER.

*Class* IV: Professor HALL, Professor THAXTER, Professor DAVIS.

**Sargent Prize.**

To JAMES EDGAR GREGG, of the Sophomore Class, a prize of $100 for *A metrical version from Horace.*

**Toppan Prize.**

Not awarded in 1894–95.

**Sumner Prize.**

Not awarded in 1894–95.

**Dante Prize.**

Not awarded in 1894–95.

**George B. Sohier Prize.**

To ROSCOE ADDISON SMALL, of the Graduate School, a prize of $250 for a thesis on "*John Marston.*"

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## Boylston Prizes.

*First Prize.*

To Harold Ethelbert Addison, Junior.

*Second Prizes.*

To Rufus Whittaker Stinson, Senior.
To William Sterling Youngman, Senior.
To Loring Thayer Hildreth, Junior.

Judges: President Eliot, Dr. Justin Winsor, John C. Bancroft, Esq., George Putnam, Esq., Professor LeBaron R. Briggs, Professor Charles Gross, Professor Albert Bushnell Hart, Professor Edward Cummings, Mr. Hammond Lamont, Mr. J. Bertram Williams.

## Sales Prize.

To Jeremiah Denis Matthias Ford, of the Graduate School, a prize of $45 for proficiency in Spanish composition.

## Deturs.

In 1894–95 Deturs were given to the following students: —

*Class of 1895.*

Victor Sumner Thomas.
Herbert Baldwin Foster.
Joseph Edgar Crocker.
William Bicknell Noyes.
Daniel Gregory Mason.

*Class of 1896.*

Leroy Allston Ames.
Harry Gage Wyer.
John Calvin Lawrence Clark.

*Class of 1897.*

Robert Edwin Olds.
Jonathan Balcom Hayward.
Albert Straw Howard.
Rufus William Sprague, Jr.
Charles Ernest Brown.
Irving Lester Fisk.
William Woart Lancaster.
Frederick Thomas Lewis.
Henry Miller Lydenberg.
Goldthwaite Maynard Higginson Dorr.
Harry Howard Hill.
Howard Wayne Waterman.
Edgar Huidekoper Wells.
Manuel Emilio Fenollosa.
John Noble, Jr.
Beekman Winthrop.
Waldo Bromley Truesdell.

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FRANCIS MINOT WELD, JR.
BRUCE WYMAN.
FREDERIC WILLIS BROWN.
CHARLES HULL BATCHELDER.
CHARLES DAVIS DREW.
JAMES EDGAR GREGG.
WILLIAM BELMONT PARKER.
ALBERT EDWARD KING,
CHARLES ALFRED WEATHERBY.
BERNARD SUTRO OPENHEIMER.
DANIEL SULLIVAN.

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# GENERAL SUMMARY.

## Government, Teachers and other Officers.

| | | |
|---|---|---|
| Corporation | | 7 |
| Overseers | | 31 |
| Teachers: — | | |
| Professors | 81 | |
| Associate Professors | 8 | |
| Assistant Professors | 35 | |
| Lecturers | 13 | |
| Tutors | 1 | |
| Instructors | 118 | |
| Demonstrators and Assistants | 115 | |
| Whole number of Teachers | | 366 |
| Preachers | | 5 |
| Curators and Library Officers | | 14 |
| Proctors and other Officers | | 32 |

## Students.

| | | |
|---|---|---|
| I. Faculty of Arts and Sciences: — | | |
| 1. College: — | | |
| Senior Class | 366 | |
| Junior Class | 338 | |
| Sophomore Class | 445 | |
| Freshman Class | 462 | |
| Special Students | 160 | |
| | | 1771 |
| 2. Scientific School: — | | |
| Fourth-Year Students | 30 | |
| Third-Year Students | 27 | |
| Second-Year Students | 73 | |
| First-Year Students | 106 | |
| Special Students | 104 | |
| | | 340 |

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| | | |
|---|---|---|
| 3. Graduate School: — | | |
| Resident Students | 269 | |
| Non-Resident Students | 16 | |
| | | 285 |
| Whole No. of Students under Faculty of Arts and Sciences, | | 2396 |
| II. Divinity School: — | | |
| Resident Graduates | 14 | |
| Senior Class | 12 | |
| Middle Class | 4 | |
| Junior Class | 8 | |
| Special Students | 3 | |
| | | 41 |
| III. Law School: — | | |
| Third-Year Students | 95 | |
| Second-Year Students | 139 | |
| First-Year Students | 222 | |
| Special Students | 9 | |
| | | 465 |
| IV. Medical School: — | | |
| In Courses for Graduates | 34 | |
| Fourth Class | 84 | |
| Third Class | 81 | |
| Second Class | 156 | |
| First Class | 176 | |
| | | 531 |
| V. Dental School: — | | |
| Third-Year Students | 20 | |
| Second-Year Students | 35 | |
| First-Year Students | 47 | |
| | | 102 |
| VI. School of Veterinary Medicine: — | | |
| Third Class | 13 | |
| Second Class | 22 | |
| First Class | 16 | |
| Special Students | 4 | |
| | | 55 |
| VII. Bussey Institution | | 15 |
| Whole Number of Students | | 3605 |
| Deduct for names inserted more than once | | 5 |
| | | 3600 |

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SUMMER COURSES: —

| | | |
|---|---|---|
| English | 98 | |
| German | 22 | |
| French | 17 | |
| American History | 14 | |
| Common Law | 3 | |
| Education and Teaching | 28 | |
| Methods of Teaching Geometry, etc. | 16 | |
| Mathematics | 36 | |
| Engineering | 18 | |
| Freehand Drawing | 6 | |
| Physics | 54 | |
| Chemistry | 36 | |
| Botany | 25 | |
| Geology | 24 | |
| Physical Geography | 9 | |
| Meteorology | 1 | |
| Mineralogy | 3 | |
| Physiology and Hygiene | 4 | |
| Physical Training | 90 | |
| Medical School | 89 | |
| Dental School | 8 | |
| | 601 | |
| Deduct for names inserted more than once | 26 | |
| | | 575 |

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# DIRECTORY

## OF OFFICERS AND STUDENTS IN ALL DEPARTMENTS OF THE UNIVERSITY.

The italic letter following the name indicates to what department of the University the student belongs:—*B.*, Bussey Institution; *C.*, College; *Dn.*, Dental School; *Dv.*, Divinity School; *G.*, Graduate School; *L.*, Law School; *M.*, Medical School; *S.*, Scientific School; *V.*, School of Veterinary Medicine. *A. O.* stands for Astronomical Observatory, *F. M.* for the Fogg Museum of Art, *M. Z.* for the Museum of Comparative Zoölogy, *P. M.* for the Peabody Museum, and *U. M.* for the University Museum.

The numbers 1, 2, 3, and 4, preceding these letters, indicate the Freshman, Sophomore, Junior, and Senior Classes respectively in College, or the first, second, third, and fourth years in the Schools. *s* means special student. *gr* means graduate student.

Addresses followed by an asterisk (*) are in Boston; all others are in Cambridge, unless stated to be elsewhere. It will be noticed that the number *precedes* the name of a street, but *follows* the name of a building.

Names of buildings are abbreviated as follows: C., College House; C't, Conant Hall; D., Divinity Hall; D. H., Divinity House; F., Foxcroft House; G., Grays Hall; H., Hollis Hall; H'ke, Holyoke House; H'y, Holworthy Hall; M., Matthews Hall; P., Perkins Hall; S., Stoughton Hall; T., Thayer Hall; W., Weld Hall; W. H., Walter Hastings Hall; B., Boylston Hall.

The addresses of students in the Medical School are given in most cases; but mail matter may be sent to any Medical student addressed Harvard Medical School, Boston, Mass.

Any discrepancy which may exist between the addresses as given in this Directory and in the former part of the Catalogue arises from the fact that changes were made after the first part of the Catalogue was in press. The addresses, as given here, are in all cases the later ones.

Abbe, W., 2*C.* D. H. 3.
Abbott, A., 4*C.* D. 31.
Abbott, C. H., 1*L.* 77 Mt. Auburn.
Abbott, G. B., 3*C.* P. 68.
Abbott, H. V., *Asst.* (also 2*G.*), P. 77.
Abbott, J. M., 2*C.* 11 Sumner.
Abbott, T. J., 4*C.* P. 77.
Abele, G. W., 3*C.* 759 Shawmut Ave.*
Abrams, M. D., *sC.* 216 W. Newton.*
Adams, A., 1*C.* 26 Holyoke.
Adams, A. D., 3*S.*
Adams, C. A., *Instr.* 13 Farrar.
Adams, C. F., *Overseer*, 23 Court.*
Adams, C. P., 1*C.* 45 Oxford.
Adams, E. F., 4*C.* P. 36.
Adams, G. E., *Overseer*, 530 Belden Ave., Chicago, Ill.
Adams, G. E., 1*C.* C. 43.
Adams, H., 2*C.* Claverly 3.
Adams, H. M., 2*C.* 68 Mt. Auburn.
Adams, H. S., *sS.* (also *B.*), 2 Gleason St., Dorchester.
Adams, H. W., 1*C.* G. 30.
Adams, J., 2*C.* 44 Brattle.
Adams, J. D., 1*V.* 111 Eutaw St., E. Boston.
Adams, K., 2*C.* 78 Mt. Auburn.
Adams, L. P., 1*C.* Quincy 4.
Adams, R. M., *sC.* 16 Mellen.
Adams, W., *sC.* 25 Holyoke.
Adams, W. A., *sC.* C. 24.
Adams, W. D., 3*C.* W. 12.
Adams, W. G., 3*M.* 320 Hyde Park Ave., Hyde Park.
Addison, H. E., 4*C.* P. 7.
Adler, E. A., 1*L.* 28 Quincy.
Adler, H. N., 3*C.* P. 29.
Agassiz, A., *Director* and *Curator of M. Z.* 86 Quincy.
Albright, R. K., 2*C.* Ware 35.
Alden, E., 3*C.* P. 45.
Alden, R. M., 1*G.* 10 Mellen.
Alexander, E. F., 1*C.* 14 Howland.
Alexander, T. S., 1*C.* D. 13.
Alexandre, F. V., 1*C.* 379 Harvard.

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Alger, F. M., 1*C.*
Allen, A. S., *sC.*
98 Ashmont St., Dorchester.
Allen, F., 1*M.* 200 Beacon.*
Allen, F. D., *Prof.* 45 Brewster.
Allen, F. W., 3*Dn.* Braintree.
Allen, G., 2*C.* H. 23.
Allen, H. I., 1*C.* C. 52.
Allen, H. R., 1*Dn.* 31 E. Newton.*
Allen, H. V. D., 4*S.* 2 Phillips Pl.
Allen, J. E., 1*L.* 37 Trowbridge.
Allen, J. S., 2*C.* 2 Phillips Pl.
Allen, J. W., 3*L.* Felton 11.
Allen, S. P., 3*C.*
High St., Brookline.
Allen, S. W., 3*M.* 509 Beacon.*
Allis, F. S., 1*L.* 27 Mellen.
Allison, T., 2*G.* 2 Leonard Ave.
Allyn, R. B., 1*S.* 11 Berkeley.
Almy, F. S., *sC.* H'ke 4.
Amberg, E., *GM.* Harv. Med. Sch.*
Ames, E W., 4*C.* M. 37.
Ames, F. L., 2*C.* Claverly 7.
Ames, J. B., *Prof.* and *Dean of Law Sch.* 11 Frisbie Pl.
Ames, J. L., *Asst. M.* 92A Pinckney.*
Ames, L. A., 4*C.* M. 22.
Ames, O., 2*C.* Ware 48.
Ames, W., 1*G.* 68 Mt. Auburn.
Amory, G. G., 4*C.* Claverly 27.
Anderson, H. A., 4*M.* City Hosp.*
Andrew, A. P., 3*G.* Winthrop 24.
Andrew, J. C. S., 4*C.* D. 40.
Andrews, E. A., 4*M.* Malden.
Andrews, H. E., 2*G.* 12 Oxford.
Andrews, H. V., 4*M.* Lawrence.
Andrews, R. E., 1*C.* 1044 Mass. Ave.
Andrews, T. W., 4*C.* T. 15.
Angier, R. P., 3*C.* P. 72.
Applegate, J. S., 1*L.* 378 Harvard.
Appleton, G. D., 2*C.* 19 Ware.
Appleton, H. M., 3*C.* C't 18.
Appleton, W. S., 4*C.* Shepherd 14.
Archer, C. A., 3*C.* T. 53.
Archer, F. M., 2*L.* 16 Oxford.
Archibald, R. C., 4*C.* 104 Inman.
Armistead, D. W. A., 2*S.* Little's 1.
Armstrong, E. D., 4*C.* P. 3.
Armstrong, J. M., 3*V.*
E. Providence, R. I.
Arndt, W. T., 3*C.* S. 17.
Arnold, E. K., 1*L.* 10 Frisbie Pl.
Arnold, F. S., 2*C.* 16 Oxford.
Arnold, H. N., 4*C.* 58 Mt. Auburn.
Arnold, J. D., 3*L.* M. 41.
Arnold, J. H., *Librarian of Law School,* 10 Frisbie Pl.
Arnold, W., 2*L.* M. 39.
Arvedson, G.C., 1*C.* C. 8.
Ashley, W. J., *Prof.* 6 Acacia.
Ashton, C. H., *Instr.* 31 Maple Ave.
Aspinwall, W. B., 4*C.* H. 30.
Atherton, F. W., 1*G.* Felton 10.
Atkinson, E. E., 5*G.* Lawrence 1.
Atkinson, R. T., 2*M.* Wakefield.
Atwood, C. F., 4*C.* 18 Sumner.
Austin, A. J., *sC.* 1130 Mass. Ave.
Austin, J. A., 4*C.* 61 Spring.
Austin, R., 4*C.* H'y 4.
Austin, W. T., 1*M.*
183 Atlantic Ave.*
Auten, B. C., 3*C.* C. 46.
Auten, P., 1*C.* C. 46.
Averell, E. L., 1*V.* Waltham.
Averell, J. G., 1*C.* 7 Linden.
Avery, R., *sL.* 1689 Cambridge.
Ayer, W., 3*L.* Hilton 12.
Ayres, C. H., 2*C.* 58 Hammond,

Baars, J. E., *sC.* 21 Putnam Ave.
Babbitt, F. J., 2*V.* Lynn.
Babbitt, I., *Instr.* 65 Hammond.
Babcock, K. C., 2*G.* S. 19.
Babson, E. W., 2*V.* Gloucester.
Babson, F. M., 3*C.* W. 12.
Bacon, C. E., 4*C.* W. 23.
Bacon, H. S., 2*L.* 61 Wendell.
Bacon, J. C., 1*M.*
Babcock St., Brookline.
Bacon, J. F., 1*C.* 80 Garfield.
Bacon, N. S., *Asst.* (also 1*M.*), 80 Garfield.
Bacon, P. V., 2*C.* W. 23.
Bacon, R., *Overseer,*
23 Wall St., New York, N. Y.
Bacon, T. S., 2*M.* Natick.
Badger, G. S. C., 3*M.* 109 Pinckney.*
Badger, S. E., 4*C.*
6 Water St., Hyde Park.
Bail, J. W., 2*C.* P. 12.
Bailey, H. C., 3*C.*
81 Central St., Somerville.
Bailey, M. H., *Asst. M.*
146 Marlboro.*
Bailey, W. C., 2*M.*
72 Mt. Vernon St., E. Somerville.
Bailey, W.T., 1*M.* Harv.Med. Sch.*
Baker, A. S., 1*M.* 522 Mass. Ave.*

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Baker, G. P., *Asst. Prof.* 50 Buckingham.
Baker, L. T., 1*C.* 68 Mt. Auburn.
Baker, L. W., 1*Dn.* Bellevue St., W. Roxbury.
Baker, M. H., 4*S.* 455 Mass. Ave.*
Baker, R. B., 1*C.* 25 Holyoke.
Baker, R. W., 1*S.* 1750 Cambridge.
Baker, W. W., 2*C.* P. 85.
Balch, F. N., 4*C.* Little's 25.
Balch, A. W., 2*M.* Harv. Med. Sch.*
Baldwin, C. E., 1*C.* 197 Auburn.
Baldwin, H. B., *sS.* Worcester.
Baldwin, M. T., 3*L.* 10 Mellen.
Baldwin, W. A., 4*S.* Belmont.
Bale, H. P., 1*C.* Melrose.
Balkam, R. W., 1*V.* 113 Central Ave., Hyde Park.
Ballou, C. R., *sC.* Ware 40.
Bancroft, G., 1*C.* 96 Brattle.
Bancroft, H., 2*C.* 5 Putnam Ave.
Bancroft, P., 1*C.* 96 Brattle.
Bancroft, W. A., *Overseer*, 5 Putnam Ave.
Bangs, D. M., 1*M.* 82 Winthrop St., Roxbury.
Banks, C. B., 2*V.* Lowell.
Barber, M. S., 3*C.* 26 Mellen.
Barge, C. R., 1*L.* 43 Irving.
Barger, M. S., 2*C.* Beck 27.
Barker, H. F., 1*C.* G. 39.
Barker, H. W., 1*C.* C't 43.
Barker, LeB. R., 2*C.* 140 Brattle.
Barker, Robert M., *sC.* H'y 15.
Barker, Roy M., 2*C.* 11 Wellington.*
Barlow, C. L., 3*L.* 52 Brattle.
Barnard, C. A., 2*C.* 46 Mt. Auburn.
Barnard, C. L., 3*C.* 7 Sumner.
Barnard, F. H., 3*Dn.* Washington St., Brookline.
Barnard, F. P., 2*Dn.* 66W. Cedar.*
Barnard, W. L., 1*S.* M. 52.
Barnes, A. F., 2*C.* P. 8.
Barnes, H. A., 4*M.* Somerville.
Barnes, H. G., 2*C.* W. H. 15.
Barnes, J. A., 1*M.* 25 Boylston.
Barnes, L. M., 4*C.* M. 5.
Barnum, S., 2*L.* D. 25.
Barrell, G. E., *sS.* D. 1.
Barret, C., 4*C.* Claverly 53.
Barrett, D. C., 1*G.* S. 14.
Barrett, M. F., 3*C.* 2 Gorham.
Barrett, R. LeM., 2*C.* W. H. 20.
Barron, J. C., 1*C.* 1746 Cambridge.
Barrows, C. W., 1*L.* 58 Wen lell.
Barry, F. E., 3*C.* W. 1.
Barstow, E. B., 1*C.* 28 Holyoke.
Barstow, J. S., 2*C.* P. 79.
Barstow, R. L., 1*C.* 28 Holyoke.
Bartlett, G. A., *Assoc. Prof.* and *Regent*, Beck 26.
Bartlett, H. L., 1*C.* 57 Allen.*
Bartlett, S. D., 2*M.* Woburn.
Bartol, E. F. W., 4*C.* W. 47.
Barton, E. B., 2*C.* T. 13.
Barton, J. A., 3*M.* Waltham.
Barton, W. H., 3*M.* Waltham.
Bass, R. P., 4*C.* Hilton A.
Bassett, B., 3*C.* 18 Sumner.
Bassett, N. L., 1*L.* 1689 Cambridge.
Batchelder, C. H., 3*C.* 36 Mt. Auburn.
Batchelder, J. T., 1*C.* 930 4th St., So. Boston.*
Batchelder, S. F., 1*L.* 6 Hilliard.
Batchelder, S. H., 1*C.* C't 14.
Bates, H. F., 2*C.* C. 59.
Battis, J. A., 2*C.* H'ke 23.
Baumer, H. E., 1*L.* Hilton 30.
Baxter, G. P., *Asst.* (also 4*C.*), H. 14.
Bayley, F. S., 3*C.* 13 St. Charles.*
Beal, H. W., 3*C.* T. 53.
Beale, A. M., 3*C.* P. 68.
Beale, J. H., *Asst. Prof. L.* 13 Chauncy.
Beals, G., 2*L.* H'ke 29.
Beals, G. C., 2*C.* G. 20.
Beaman, C. C., *Overseer*, 52 Wall St., New York, N. Y.
Beaman, M. G., 1*C.* 43 Irving.
Becker, W. D., 1*C.* H'ke 41.
Beckwith, E. B., 1*C.* 12 Howland.
Beddall, A. R., 1*M.* Chelsea.
Bedell, C. E., 1*M.* 12 Carlton St., Somerville.
Beebe, A. A., 2*M.* 199 Commonwealth Ave.*
Beebe, T. C., 3*C.* M. 34.
Beecher, F. L., 2*C.* W. H. 13.
Beering, F. W., 1*M.* 203 Dorchester St.*
Beers, J. L., 1*G.* 12 Kirkland Pl.
Beggs, W. E., 2*C.* P. 36.
Belden, C. F. D., 1*L.* S. 29.
Belisle, H. L., 4*C.* H'ke 37.

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Bell, G. K., 3*L.* W. H. 53.
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Bell, W., 2*L.* 77 Emerald.*
Bell, W. W., 3*C.* T. 64.
Bellows, R. P., 1*C.* 1208 Mass. Ave.
Belmore, B. W., 1*L.* W. 51.
Belt, E. J., 1*C.* P. 85.
Bemis, J. W., *Asst.* Parley Vale, Jamaica Plain.
Benedict, E. S., 4*C.* Beck 45.
Benedict, H. Y., 1*G.* D. 18.
Benjamin, J. M., 1*S.* 773 Tremont.*
Benner, R. S., 1*C.* M. 56.
Bennett, E. M., 2*L.* Wayland.
Bennett, H. J., 2*C.* S. 2.
Benshimol, M., 1*G.* 107 Inman.
Benson, A.E., *Proctor* (also 2*G.*), C't 17.
Benson, G., 2*C.* 4 Mercer Circle.
Berle, T. P., *grDv.* D. 8.
Berry, B. J., 2*S.* M. 26.
Berry, C. W., 2*Dn.* 31 Batavia.*
Berry, H. N., 3*L.* C't 46.
Berry, M.W., 1*M.* Harv. Med. Sch.*
Best, L. A., 1*C.* 6 Story.
Bettman, A., 1*L.* P. 9.
Bettmann, M., 3*C.* W. 1.
Bibber, H. T., 1*M.* Harv. Med. Sch.*
Bidwell, R. A., 1*C.* P. 84.
Bienemann, E. C., 3*Dn.* 405 Columbus Ave.*
Bierwirth, H. C., *Instr.* W. 36.
Bigelow, F. H., 2*C.* Felton 23.
Bigelow, H., 1*C.* 31 Holyoke.
Bigelow, H. A., 4*C.* C. 8.
Bigelow, L. H., 2*C.* T. 60.
Bigelow, L. M., 1*L.* 15 Buckingham.
Bigelow, W. D., 2*C.* 7 St. James St., Roxbury.
Bill, C. P., 1*G.* 49 Oxford.
Billings, A. W. K., 1*G.* P. 47.
Binford, F.A., 2*M.* Harv. Med. Sch.*
Bingham, N. W., 1*L.* Somerville.
Binney, H., 3*C.* 44 Brattle.
Bird, L. E., *sC.* 1689 Cambridge.
Birge, M. B., 1*C.* 19 Irving.
Birge, R. H., 2*M.* Harv. Med. Sch.*
Bishop, E. B., 2*L.* Newton Centre.
Bixby, H. O., *Instr. Dn.* 1861 Mass. Ave.
Black, J. D., 1*L.* S. 11.
Black, N. H., 4*C.* C. 39.
Blackhurst, E. W., 2*L.* 24 Leonard Ave.
Blackman, C. E., *sL.* 21 Ellery.
Blackwell, H. L., 1*C.* 11 Quincy.
Blagden, L., 4*C.* Claverly 21.
Blaikie, C., *sS.* C. 22.
Blair, J. E., 1*L.* 69 Oxford.
Blaisdell, E. C., *Instr. Dn.* Portsmouth, N. H.
Blake, C. J., *Prof. M.* 226 Marlboro.*
Blake, G. B., *sS.* 37 Beacon.*
Blake, H. F., 3*L.* 37 Carlton St., Brookline.
Blake, J. B., *Asst. M.* 363 Boylston.*
Blake, R. F., *sS.* H. 13.
Blake, R. V., 2*Dn.* Waltham.
Blakely, C. L., 1*V.* 13 Winthrop St., Medford.
Blakemore, A. W., 2*C.* 17 Dunster.
Blanchard, H., 2*C.* Hilton 14.
Blanchard, H. L., 4*C.* T. 67.
Blankinship, J. W., *Asst.* (also 2*G.*), 28 Mt. Auburn.
Blatchford, F. W., 1*S.* W. H. 8.
Blauvelt, W. G., 1*C.* 55 Trowbridge.
Blevins, A. H., 2*S.* 222 Putnam Ave.
Bliss, C. N., 3*C.* Claverly 5.
Block, H. J., 2*C.* G. 12.
Blodgett, C. M., 1*M.* 1 Claremont Park.*
Blodgett, J. H., 3*M.* 390 Boylston.*
Blodgett, W. E., 4*C.* W. H. 19.
Blood, C. R., 2*C.* 56 Mt. Auburn.
Blood, C. W., 1*C.* 39 Dana.
Bloom, A. L., 1*C.* Ware 33.
Blye, J. N., 4*S.* 3 Sumner.
Boal, M. D., *sC.* Little's 15.
Boardman, E. A., *sS.* 20 Holyoke.
Boardman, S. M., 2*B.* Mattapan.
Boardman, S. W., 4*C.* P. 39.
Boardman, W. E., *Instr.* and *Cur. of Dn. Mus.* 184 Boylston.*
Bôcher, F., *Prof.* 12 Holyoke Pl.
Bôcher, M., *Asst. Prof.* 12 Shepard.
Boettcher, C. K., *sS.* H'ke 36.
Bolster, S. M., 3*C.* T. 64.
Bonaparte, C. J., *Overseer*, 216 St. Paul St., Baltimore, Md.
Bond, C. W., 1*L.* 2106 Mass. Ave.
Bond, T., 1*C.* 4 Arrow.
Bonney, R., 2*M.* Harv. Med. Sch.*
Bonsall, W., 2*C.* P. 34.
Boodro, W. H., 2*M.* 265 Gold.*
Boody, E., 1*C.* 381 Harvard.

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Booth, C. D., 1*L.* W. 51.
Booth, P. N., 4*C.* W. 37.
Borden, A., 4*C.* H'y 3.
Borden, S. H., 3*C.* 18 Trowbridge.
Bordman, J., 2*L.* Concord.
Borncamp, J. E., *sDv.* 39 Hurlbut.
Bosler, D. C., 2*C.* Quincy 5.
Bosworth, G. L., 4*C.*
1689 Cambridge.
Botsford, G. W., *Instr.*
362 Harvard.
Boucher, C., 4*C.* Hilton 28.
Boutelle, H. C., 1*M.*
9 School St., Dorchester.
Bouton, C. L., 2*G.* 94 Hammond.
Boutwell, J. M., 2*C.* W. 10.
Bouvé, C. L., 1*C.* 27 Everett.
Bouvé, G. W., 2*C.* 27 Holyoke.
Bowditch, H. I., 2*C.* W. H. 23.
Bowditch, H. P., *Prof. M.*
Jamaica Plain.
Bowditch, I., 3*C.* Little's 12.
Bowditch, V. Y., *Asst. M.*
506 Beacon.*
Bowen, A. P., 1*M.* Lynn.
Bowers, J. A., 1*L.* 7 Mellen.
Bowersock, J. D., 3*L.* P. 57.
Bowker, C., *sC.*
12 Merlin St., Dorchester.
Bowker, H., 2*C.* 5 Linden.
Bowler, G. P., 1*C.* Claverly 13.
Bowler, R. P., 3*L.* 52 Brattle.
Bowles, H. I., 3*C.* C. 31.
Bowles, R. H., 1*G.* C. 31.
Bowser, E. K., 4*C.* Wakefield.
Boyd, J. E., *sS.* 19 Irving.
Boyden, A. A., 2*C.* M. 39.
Boyer, J. N., 1*M.* Springfield.
Boynton, A. H., 1*S.* 126 Mt. Auburn.
Boynton, J. H., *Proctor*
(also 3*G.*), S. 21.
Boysen, J. L., 2*C.* 29 Sacramento.
Brackett, C. A., *Prof. Dn.*
Newport, R. I.
Brackett, R. D., 2*C.* 70 Wendell.
Bradford, E. H., *Asst. Prof. M.*
133 Newbury.*
Bradlee, D. H., 1*S.* Hilton 32.
Bradley, D. H., 2*C.*
19 Concord Ave., Somerville.
Bradley, F., *Instr. Dn.*
Newport, R. I.
Bramhall, T. L., 1*C.* 113 Moreland.
Branch, A. E., 1*C.* Hotel Vendome.*
Brandes, J. F., 2*S.* 12 Sumner.
Brannan, F. D., 1*C.* Hilton 18.
Brayton, I., 4*C.* T. 56.
Brayton, P. S., 1*C.*
69 Oxford St., Somerville.
Brayton, W. L. S., 4*C.* T. 56.
Breed, G. H., 2*C.* P. 1.
Breed, M., 2*C.* P. 1.
Breed, N. P., 2*C.* C. 15.
Brehaut, E., 4*C.* 68 Inman.
Bremer, C. L., 1*L.* Shepherd 10.
Bremer, J. L., 4*C.* Claverly 47.
Breneman, H. K., 1*M.*
112 Huntington Ave.*
Brennan, J. T. L., 1*M.* Lowell.
Brenneman, R. E., 1*M.*
212 W. Canton.*
Brent, H. K., 2*C.* Ware 41.
Brewer, A. H., 4*C.* 20 Holyoke.
Brewer, C., 4*C.* Claverly 29.
Brewster, F., *Instr. L.* 39 Court.*
Brewster, R. B., 1*C.* Felton 35.
Brewster, W., *Asst. M. Z.*,
145 Brattle.
Brice, J. F., 1*C.* Beck 36.
Bridgham, S. W., 2*L.*
1671 Cambridge.
Briesen, H. von, 3*C.* P. 51.
Briggs, C. E., 3*M.* 32 W. Cedar.*
Briggs, C. S., *sC.* D. 17.
Briggs, E. C., *Asst. Prof. Dn.*
125 Marlboro.*
Briggs, LeB. R., *Prof.* and
*Dean of Harv. Coll.* 140 Brattle.
Brimmer, M., *Fellow*, 47 Beacon.*
Brinckerhoff, W. R., 3*S.* M. 13.
Brine, L. R., 2*S.* 1671 Cambridge.
Brine, W. P., *sC.* 1671 Cambridge.
Bristol, L. E., 2*C.* 125 Mt. Auburn.
Britton, C. O., *sC.* 1200 Mass. Ave.
Brock, L. A., 1*M.* Malden.
Brockway, R. O., *sC.* 14 Kirkland Pl.
Bronson, C. W., 2*S.*
5 Buckingham Pl.
Brookings, W. B., 1*L.* Winthrop 12.
Brooks, A. M., 1*G.* 54 Garden.
Brooks, E. D., 1*C.* G. 41.
Brooks, H. G., 2*C.* 28 Holyoke.
Brooks, J. E., 1*C.* Hilton 37.
Brooks, L. W., 1*C.* 21 Lee.
Brooks, N. C., 1*G.* 10 Mellen.
Brooks, R., 4*C.* Beck 21.
Brooks, W. A., *Asst. M.*
259 Beacon.*

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Brooks-Rosenthal, S., 2*C.* T. 22.
Broughton, A. N., 3*M.*
277 Lamartine St., Jamaica Plain.
Browder, J. B., 2*G.* 1697 Cambridge.
Brower, D. R., 1*S.* C't 22.
Brown, A. B., 2*M.* 56 W. Cedar.*
Brown, A. C. L., 2*G.* 29 Everett.
Brown, C. A., 3*C.* W. 11.
Brown, C. E., 3*C.* C. 39.
Brown, C. G., 2*Dn.* Stoughton.
Brown, C. H., 4*C.* P. 48.
Brown, C. N., *Assist.* (also 4*G.*),
65 Oxford.
Brown, E. B., 1*C.* H'ke 45.
Brown, E. H., 4*C.* H'y 14.
Brown, F. N., 1*C.*
32 High St., Charlestown.
Brown, F. P., 1*M.* 15 Blagden.*
Brown, F. W., 3*C.* W. H. 26.
Brown, H. D., 4*C.* H'ke 45.
Brown, H. E., 3*V.* Littleton.
Brown, Harold H., 3*C.* C't 15.
Brown, Harrison H., 2*G.* D. 36.
Brown, H. L., 4*C.* W. H. 46.
Brown, H. P., 2*L.* 62 Trowbridge.
Brown, Harold W., 3*C.* 40 Kirkland.
Brown, Howard W., 1*L.* H. 31.
Brown, J. J., 1*L.* 58 Hammond.
Brown, L. A., 2*C.* W. 16.
Brown, L. H., *grM.* Harv. Med. Sch.*
Brown, P. E., *sS.* W. 11.
Brown, P. L., 1*C.* Read's 6.
Brown, R. W. P., 1*C.* W. 54.
Brown, T. D., 1*S.* 30 N. Russell.*
Brown, W. E., 1*C.* Hilton 15.
Brown, W. G., *Asst. in Coll. Library,* Read's 24.
Browne, G. A., 1*C.* Read's 32.
Brownell, W. D., 1*L.* 62 Trowbridge.
Bruguiére, É. A., *sC.* Claverly 43.
Brumbaugh, N. J., 4*C.* S. 14.
Brun, A., *Instr.* 32 Putnam Ave.
Bryan, C. E., 4*C.* Wadsworth 13.
Bryan, J. S., 1*L.* 104 Mt. Auburn.
Bryant, A. A., 3*C.* 199 Auburn.
Bryant, C. S., 4*C.* C. 29.
Bryant, E. L., 1*L.* H. 31.
Bryant, F., 1*M.* 195 Warren Ave.*
Bryant, F. K., 1*C.*
40 Dover St., W. Somerville.
Bryant, G. P., 1*S.*
94 Cedar Park, Melrose.
Bryant, W. S., *Asst. M.*
1 Charles Gate East.*
Buck, M. A., 2*M.* No. Wilmington.
Buck, W. B., 1*G.* 10 Church.
Buckingham, E. M., *Instr. M.*
53 Worcester.*
Buckley, W., 3*V.* Somerville.
Buckman, G., 3*S.* W. 10.
Buckminster, W. R., 3*L.*
24 Farwell Pl.
Buckshorn, L. H., *grDv.* 9 Wendell.
Buell, H. D., 3*C.* 1270 Mass. Ave.
Buffum, H. E., 3*M.*
75 Florence St., Somerville.
Bull, C. C., 2*C.* Little's 26.
Bull, R. W., 4*S.* Shepherd 7.
Bullard, J. R., 4*C.* 1256 Mass. Ave.
Bullock, A. H., 4*C.* W. 44.
Bullock, C., 2*L.* 12 Kirkland Pl.
Bumpus, E. A., *sS.* H'ke 31.
Bumpus, E. C., 3*C.* H'ke 31.
Bunting, J. E., *sS.* P. 8.
Burchsted, C. E., 2*V.* 701 Mass. Ave.*
Burden, I. T., 3*C.* Beck 25.
Burden, W. P., *sC.* 9 Bow.
Burdett, A. J., 4*C.* C't 10.
Burdett, H. C., 2*C.* C't 33.
Burgess, E. G., 1*S.* Beck 41.
Burgess, H. M., 2*V.* Hyde Park.
Burke, E. G., 3*M.* Quincy.
Burke, F. R., 2*C.* S. 8.
Burke, M. F., 4*M.* Natick.
Burke, W. E., 1*L.*
119 Webster St., E. Boston.
Burke, W. H., 1*Dn.* Watertown.
Burke, W. S., *Instr.* 27 Everett.
Burley, B. T., 3*C.* 20 Ware.
Burlingame, F. A., 3*C.* H'y 16.
Burlingame, H. B., 1*C.*
2217 Mass. Ave.
Burnett, J., 3*C.* Read's 20.
Burnett, V., 2*C.* Quincy 11.
Burnham, C. B., 1*Dn.*
19 Essex St., Beverly.
Burnham, H. L., 1*C.* 381 Harvard.
Burnham, J. A., *sC.* 68 Mt. Auburn.
Burnham, R. N., 1*C.* 94 Prescott.
Burns, F. S., 2*M.* 12 Holyoke.*
Burnstine, H. C., 2*C.* 55 Hammond.
Burr, C., 2*L.* Winthrop 20.
Burrage, G. B., 2*C.* W. 49.
Burrage, P., 1*C.* 1727 Cambridge.
Burrage, W. S., 2*G.* 10 Fayette.
Burrell, H. L., *Asst. Prof. M.*
22 Newbury.*
Burrill, P. L., 1*C.* 24 Mt. Auburn.

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Burrows, F. G., 3*M.*
Harv. Med. Sch.*
Burton, W. C., 1*C.* M. 37.
Bush, C. K , *sC.* 22 Mt. Auburn.
Bushnell, H. D., 2*C.* P. 37.
Butler, C. Shorey, 3*M.* 257 Newbury.*
Butler, C. Stewart, 1*C.* Ware 4.
Butler, H. A., 3*C.* H'ke 26.
Butler, J. A., 2*S.* 1671 Cambridge.
Butler, L. S., 2*C.* Ware 7.
Butler, M. L., 2*C.* W. 43.
Butters, C. C., *sS.* Concord.
Byerly, W. E., *Prof.* 39 Hammond.
Bygrave, H. R., 2*C.* Little's 29.
Byrd, W., 3*C.* H'y 22.

Cabell, S. W., 1*G.* 91 Austin.
Cabot, A. T., *Instr. M.* 1 Marlboro.*
Cabot, H., 2*M.* 44 Newbury.*
Cabot, N. W., 2*C.* 27 Holyoke.
Cadigan, J. J., 1*M.* 16 Greenwich.*
Cahn, L. M., 2*L.* M. 11.
Cahn, W. L., 1*L.* 20 Prescott.
Calhane, D. F., 1*G.*
58 Moore St., Haverhill.
Calkins, G., 3*C.* S. 5.
Calkins, R., 2*Dv.* S. 5.
Callahan, J. T., 1*M.* Woburn.
Callender, G. S., 4*G.* S. 19.
Cameron, W. H., 1*L.* Winthrop 12.
Campbell, A. R., 1*C.* 67 Oxford.
Campbell, D., 2*L.* 14 Rutland.
Campbell, D. F., 2*G.*
1588 Cambridge.
Campbell, F. A., 2*L.*
670 Washington St., Brookline.
Campbell, J. M., 1*C.* W. H. 8.
Campbell, J. S., 2*L.* 16 Oxford.
Campbell, M. V., 1*S.* H'ke 3.
Canfield, H., 4*C.* 20 Ware.
Cannon, W. B., 4*C.* D. 23.
Capen, E. W., 3*C.* W. 33.
Capron, P., 4*C.* F. 5.
Carleton, P. G., 1*C.* C't 1.
Carleton, R. H., 2*C.* Little's 6.
Carlton, O. J., 1*C.* Felton 35.
Carmody, W. F., 1*M.*
Harv. Med. Sch.*
Carney, F., *Asst. in Coll. Library,* 14 Mellen.
Carney, M. F., 4*C.*
17 Holborn St., Roxbury.
Carpenter, A. B., *sS.*
1734 Cambridge.
Carpenter, D. N., 4*M.*
Harv. Med. Sch.*
Carpenter, H. F., 2*C.* M. 12.
Carpenter, J. A., 3*C.* M. 12.
Carr, A. L., 2*C.* C. 47.
Carr, C. L., 1*C.*
13 Everett St., Dorchester.
Carret, J. W., *sC.* 6 Appian Way.
Carris, L. H., 2*C.* 438 Green.
Carroll, T. F., 1*M.*
25 Highland Ave., Roxbury.
Carter, A. M., 2*C.* P. 14.
Carter, A. P., 2*L.* W. H. 55.
Carter, A. T., 3*C.* Quincy 8.
Carter, C. G., 4*C.* Hilton 16.
Carter, F. B., 2*C.* 110 Dartmouth.*
Carter, H. L., 2*C.* W. H. 7.
Carter, J. C., *Overseer,*
54 Wall St., New York, N. Y.
Carter, R. B., 2*C.* W. H. 7.
Carter, W. W., 1*C.* T. 40.
Cary, F. H., 2*M.* Millbury.
Case, C. E., 2*C.* C't 34.
Case, F. T., 2*C.* C't 34.
Cass, E. S., 3*L.* 20 Mellen.
Cassebeer, H. A., 4*C.* 3 Sumner.
Cassidy, J. J., 1*M.* Harv. Med. Sch.*
Caswell, J., 1*L.* 50 Beacon.*
Caswell, W. W., 4*C.* Claverly 6.
Catlin, D. C., 3*L.* 43 Irving.
Catlin, D. K., 1*C.* Claverly 2.
Catlin, S. R., 3*M.* 27 Dartmouth.*
Catlin, T. E., 1*C.* Claverly 2.
Chace, F. A., 3*C.* 18 Trowbridge.
Chalfin, P., 2*C.* H'y 21.
Chamberlain, J. L., 1*G.* 84 Wendell.
Chamberlain, M., *Sec'y of L. S. S.* Quincy 6.
Chamberlain, W. P., 3*M.*
27 Dartmouth.*
Chamberlin, H. H., 1*G.* Ware 42.
Chamberlin, J. B., 4*S.* Ware 55.
Champney, E. F., 4*C.* H'ke 17.
Chandler, W. M., 2*C.* W. 17.
Channing, E., *Asst. Prof.* 1 Brewster.
Chapman, E. M., 3*M.* Needham.
Chapman, J. L., 1*L.* G. 33.
Chapman, L. R. 1*C.* T. 28.
Chard, T., *sC.*, 60 Brattle.
Chase, A. H. S., 3*Dn.*
10 Dean St., Everett.
Chase, A. M., 4*C.* H. 25.
Chase, A. M. P., 4*G.* 19 Lancaster.

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Chase, E. N., 4*C.* T. 38.
Chase, G. D., *Proctor* (also 2*G.*), 25 Holyoke.
Chase, G. H., 4*C.* H. 30.
Chase, S. M., 1*C.* 19 Irving.
Chatman, J. E., 3*C.* Ware 48.
Chauncey, E. F., *sC.* 1137 Mass. Ave.
Cheever, D., 3*C.* Little's 13.
Cheever, D. W., *Prof. Em. M.* 557 Boylston.*
Cheney, F. E., *Asst. M.* Hotel Bristol, Copley Sq.*
Cheney, H. N., 1*S.* 23 Gardner St., Allston.
Chesley, H. G., 1*C.* 137 No. Beacon St., Brighton.
Chessman, C. F., 1*C.* 24 Mt. Auburn.
Child, F. J., *Prof.* 67 Kirkland.
Childs, A. H., 3*C.* C. 66.
Childs, E. O., 1*C.* P. 59.
Childs, H. H., 2*C.* Ware 30.
Chipman, R. L., 2*C.* P. 54.
Chisholm, F. G., 2*C.* 1134 Mass. Ave.
Chittenden, A. P., 3*C.* S. 6.
Chittenden, R. C., 3*C.* S. 6.
Choate, J. H., 3*C.* 25 Holyoke.
Christy, B. H., 2*L.* Winthrop 31.
Chrostwaite, T. F., 1*C.* 34 Bigelow.
Church, E. B., 1*L.* G. 29.
Churchill, D., 2*M.* 40 Hancock.*
Churchill, J. W., *Instr. Dv.* Andover.
Chute, E. H., 3*Dn.* Dedham.
Clap, E. W., 4*M.* Harv. Med. Sch.*
Clapp, A. B., 4*C.* T. 3.
Clapp, D. M., *Lectr. Dn.* 62 Trinity Terrace, Copley Sq.*
Clapp, H., 1*C.* W. 48.
Clapp, R., 1*C.* M. 34.
Clark, A. R., 1*L.* 1599 Mass. Ave.
Clark, C. A., *sS.* 19 Highland Ave., Somerville.
Clark, E., 4*C.* 102 Mt. Auburn.
Clark, E. E., 2*L.* 21 Prince.
Clark, E. F., 3*C.* 467 Broadway.
Clark, E. H., 4*C.* Claverly 50.
Clark, E. L. C., 1*S.* 33 Trowbridge.
Clark, E. P., 2*C.* 1727 Cambridge.
Clark, F. W., 3*L.* C. 51.
Clark, H. W., 2*L.* 65 Hammond.*
Clark, J. C. L., 2*C.* G. 40.
Clark, J. Taggart, 2*C.* 25 Church.
Clark, J. Taylor, 3*C.* Read's 28.
Clark, P. H., 4*C.* Claverly 42.
Clark, T. W., 1*S.* 48 Garden.
Clarke, J. G., 2*S.* C. 29.
Clarke, T. W., 1*C.* T. 16.
Clarkson, C. F., 2*L.* 10 Oxford.
Clarkson, R. P., 1*L.* 137 Highland St., Roxbury.
Clarkson, T. H., 1*C.* 31 Everett.
Cleaves, C. H., 1*C.* G. 47.
Clement, R., 3*C.* 434 Marlboro'.*
Cleveland, H. D., 2*C.* 12 Oxford.
Cleveland, H. H., 1*M.* 185 School St., Somerville.
Cliff, A. A., 1*M.* 425 Shawmut Ave.*
Clifford, A. G., 1*L.* C't 41.
Clough, F. H., 3*M.* 28 Allston St., Allston.
Coar, A. H., 2*Dv.* 51 Wendell.
Cobb, R., *Corresponding Secretary* and *Asst.* U. 5.
Coburn, H. F., 2*M.* 45 Dana.
Cochrane, F. D., 1*C.* Claverly 13.
Cockcroft, A., 1*S.* 1680 Cambridge.
Codman, A., 4*C.* 27 Holyoke.
Codman, C. R., *Overseer*, 57 Marlboro.*
Coester, A. L., 4*C.* M. 21.
Coffin, E. R., 3*L.* W. H. 37.
Coffin, F. B., 1*L.* G. 42.
Coffin, S., 3*C.* P. 32.
Coffin, W. B., 1*C.* Mason Ter., Brookline.
Coggeshall, G. W., *Asst.* 8 Shepard.
Cogswell, E. R., 3*C.* 61 Kirkland.
Cohen, W. B., 2*G.* 20 Federal St., Salem.
Colbert, J. J., *sC.* 37 Trumbull.*
Colby, K. G., 1*L.* 19 Rutland.
Cole, G. A., 1*S.* Shepherd 4.
Cole, G. F., 2*G.* 94 Wendell.
Cole, W. G. G., 3*C.* 28 Wendell.
Coleman, L. G., 1*S.* Il'ke 27.
Coleman, S. C., 1*C.* Hilton 7.
Coleman, W., 1*L.* 1686 Cambridge.
Colgate, C. H., 2*C.* 92 Glen St., Somerville.
Collier, F. F., *sC.* 91 Congress Ave., Chelsea.
Collin, C. O. L., 3*M.* 147 Warren Ave.*
Collins, E., 2*G.* 985 Adams St., Dorchester.
Collins, G. L., 4*C.* T. 65.
Collins, W. D., *Asst.* (also 1*G.*), City Building, Brattle Sq.

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Collins, W. E., 3*C.* H. 26.
Collins, W. J., 2*M.* 20 St. Charles.*
Colpitts, E. H., 4*C.* 29 Sacramento.
Colton, H. S., 2*C.* G. 7.
Comfort, W. W., 1*G.* W. H. 42.
Conant, E. B., 1*L.* 31 Mt. Vernon.*
Conant, E. F., *grM.* Harv. Med. Sch.*
Conant, L. K., 1*C.* 1750 Cambridge.
Conant, W. M., *Instr. M.* 252 Newbury.*
Cone, R. W., 4*C.* C. 68.
Conger, J. N., 2*L.* 42 Kirkland.
Conklin, F. M., *sS.* 381 Harvard.
Conklin, M. M., *sS.* G. 50.
Connelly, J. E., 1*L.* Ashland.
Connolly, J. B., *sS.* 11 Mellen.
Connolly, J. T., 1*L.* 56 Amory.
Connolly, W. E., 2*C.* 56 Amory.
Connor, M. J., 1*S.* 1124 Mass. Ave.
Conroy, W. H., *sC.* 6 Story.
Cook, C. S., 1*C.* T. 48.
Cook, H. H., 3*G.* T. 50.
Cook, N. C., *sC.* 564 Mass. Ave.*
Cook, O. S., 3*L.* W. H. 5.
Cook, P. H., 1*C.* 50 Frost.
Cooke, H. A., 4*M.* 21 W. Cedar.*
Cooke, W. P., *Instr. Dn.* 330 Dartmouth.*
Cooley, A. S., 4*G.* 34 Bigelow.
Cooley, F. B., 3*C.* C. 66.
Coolidge, A., *Instr. M.* 1 Exeter.*
Coolidge, A. C., *Instr.* Ware 15.
Coolidge, H. J., 3*L.* 52 Brattle.
Coolidge, T. J., *Overseer*, Ames Bldg.*
Coonley, H., 1*C.* W. H. 57.
Cooper, F. R., 2*C.* 22 Mt. Auburn.
Cooper, H. E., *sL.* 18 Trowbridge Pl.
Cooper, J. E., 1*L.* 54 Garden.
Cooper, J. T., 2*G.* 14 Mellen.
Copeland, C. T., *Instr.* G. 24.
Copeland, E. M., 2*C.* 59 Harris.
Corbett, J., 1*L.* 18 Sumner.
Corbin, A., 4*C.* Beck 2.
Corbin, J., *Asst.* 26 Garden.
Corbin, L. P., 2*S.* M. 42.
Cordova, J. D. de, 2*C.* C't 27.
Corliss, W. F., 2*L.* S. 29.
Cormier, L. R., 3*V.* 3 Pleasant St., Charlestown.
Cornwell, C. C. de V., 1*S.* 12 Mt. Auburn.
Cornwell, H. C. deV., 3*C.* 12 Mt. Auburn.
Corwin, A. W., 1*L.* 65 Hammond.
Costello, I. F., 1*M.* Harv. Med. Sch.*
Costello, J. H., 3*M.* 40 E. Brookline.*
Cotter, J. A. C., 1*G.* H. 6.
Cottle, H. E., 2*C.* T. 25.
Cotton, John P., 1*C.* M. 14.
Cotton, Joseph P., 4*C.* Hilton A.
Cotton, W. D., 3*C.* W. H. 44.
Cottrell, H. J., 2*M.* Harv. Med. Sch.*
Cottrell, W. N., 3*L.* W. H. 24.
Coues, R. W., 1*G.* 104 Mt. Auburn.
Councilman, W. T., *Prof. M.* 457 Marlboro.*
Coveney, J. A., 3*C.* 73 Marshall St., Somerville.
Cowles, E., *Instr.*, *M.* McLean Hospital, Waverley.
Cox, A., 4*C.* 78 Mt. Auburn.
Cox, A. B., 1*L.* 14 Rutland.
Cox, R. H., 1*C.* H'ke 30.
Coxeter, J. S., 2*Dn.* Newtonville.
Cozzens, G. F., 2*C.* H'ke 4.
Craigin, G. A., *Asst. M.* 405 Marlboro.*
Cram, E. R., 4*C.* 16 Pleasant Pl.
Cram, G. W., *Recorder*, W. 7.
Cram, W. H., 3*C.* Ware 35.
Crandell, A. R., 4*M.* Harv. Med. Sch.*
Crandon, L. G., 2*M.* Harv. Med. Sch.*
Crane, C. C., 1*M.* Harv. Med. Sch.*
Crane, E. R., 4*C.* W. 2.
Crapo, C. F., 1*C.* P. 43.
Craven, A. B., *sS.* Felton 16.
Crawford, F. X., 2*M.* 661 4th St., So. Boston.
Crawford, L. F., *sC.* 1534 Cambridge.
Crawford, L. R., *sL.* 92 Washington Ave.
Creden, B. T., 1*C.* M. 57.
Creelman, G. W., 4*C.* H. 22.
Creesy, E. L., 4*C.* G. 44.
Crocker, A. A., 2*S.* Felton 1.
Crocker, E., *sC.* Quincy 7.
Crocker, F. L., 2*C.* H'ke 13.
Crocker, G. G., 1*C.* Quincy 12.
Crocker, J. R., 2*C.* Ware 12.
Crockett, E. A., *Asst. M.* 226 Marlboro.*
Croly, H. D., *sC.* 13½ Hilliard.
Cronin, C. H., 2*C.* Hyde Park Ave.*
Cronin, J. F., 1*L.* Hyde Park Ave.*
Cronin, M. J., 2*M.* Harv. Med. Sch.*

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Cronon, C., 2 *V.* Canton.
Crooks, C. M., 3*Dv.* D. 5.
Cropley, J. H., 1*C.* 16 Story.
Crosby, J. F., 2*L.* Newton.
Crosby, W. T., 1*M.* Brockton.
Cross, A. L., *Asst.* (also 1*G.*), W. 54.
Cross, H. D., 3*Dn.* 71 Myrtle.*
Cross, W. P., 4*M.*
86 Newman St., So. Boston.
Crossley, F. B., *sC.* 343 Harvard.
Crothers, S. M., *Preacher*
6 Everett.
Crowell, G. M., 1*M.* Harv. Med. Sch.*
Crowley, J. L., 1*C.* 54 Fairmont.
Crowley, J. W., 4*C.* 14 Oxford.
Crowley, T. F., 1*L.* 125 Pinckney.*
Crowther, F., 1*Dn.*
60 Myrtle St., E. Somerville.
Culver, C. M., *sC.* 51 Wendell.
Cummin, J. W., 4*M.* The Berkeley.*
Cummings, E., *Asst. Prof.*
Irving, cor. Scott.
Cummings, F. R., 2*M.*
Concord, N. H.
Cummings, J., *Instr.* T. 7.
Cunniff, M. J. G., 2*C.*
20 W. Walnut Park, Roxbury.
Cunningham, A. B., 2*C.* P. 26.
Cunningham, J. H., *sS.* Shepherd 19.
Currie, B. W., 1*C.* 1172 Mass. Ave.
Currier, W. E., 2*M.* Leicester.
Curry, E. F., 4*M.* Winchester.
Curry, J. J., 4*M.*
113 Main St., Charlestown.
Curtis, A. L., 1*C.* Irving Pl.
Curtis, B., 1*C.* W. H. 28.
Curtis, B. R., 2*C.* 25 Holyoke.
Curtis, E. D., 2*C.* Shepherd 5.
Curtis, F., 2*C.* Ware 38.
Curtis, G. C., *sS.* T. 68.
Curtis, H. A., 4*C.* Shepherd 17.
Curtis, J. F., 1*C.* Shepherd 17.
Cushing, G. M., 2*L.* 409 Marlboro.*
Cushing, R. P., *sS.* 13 Trowbridge Pl.
Cushman, H. E., 2*G.* D. 24.
Cushman, R., 3*L.* 14 Trowbridge Pl.
Cusick, T. F., 4*M.* Taunton.
Cutler, B. S., 1*C.* 36 Mt. Auburn.
Cutler, C. N., 2*M.*
10 Everett Ave., Chelsea.
Cutler, E. G., *Instr. M.*
214 Beacon.*
Cutler, S. C., 1*S.* W. H. 32.
Cutler, W. H., *Janitor*, Mass. Hall.
Cutler, W. W., 2*L.* W. H. 55.
Cutter, C. W., 2*C.* Hilton 9.
Cutting, E. W., 2*C.* T. 13.
Cutting, R. B., 3*C.* Claverly 48.
Cutting, W. L., 1*C.* Claverly 17.

Dacy, A. E., 3*L.* H'ke 2.
Daggett, F. W., 1*S.* 16 Oxford.
Daley, J., 1*Dn.* 6 W. Newton.*
Dallinger, F. W., 2*L.* S. 4.
Dalton, P. S., 2*C.* Wadsworth 7.
Daly, A. E., 1*C.* 13 Mellen.
Daly, R. A., *Instr.* P. 60.
Daly, T. J., 3*M.* Lawrence.
Damon, E. F., 3*L.* 150 Chandler.*
Damon, I., 1*C.* F. 1.
Damon, L. T., *Asst.* (also 2*G.*), S. 21.
Dana, C. C., 2*C.* Little's 19.
Danforth, A., *Deputy Treasurer*, 12 Mt. Vernon.*
Daniel, V., 4*M.*
259 Princeton St., E. Boston.
Darling, E. A., *Asst. M.*
1603 Mass. Ave.
Darling, E. H., 3*C.* W. H. 41.
Davenport, C. B., *Instr.*
11 Francis Ave.
Davenport, F. H., *Asst. Prof. M.*
372 Marlboro.*
Davenport, H. H., 2*C.* Felton 5.
Davidson, I. F., 3*C.* 1699 Cambridge.
Davis, A. G., *Keeper of Corporation Records*, 50 State.*
Davis, A. W., 2*C.* P. 50.
Davis, B., 1*L.* Winthrop 32.
Davis, C. H., 1*M.*
150 Broadway, Somerville.
Davis, E. G., 2*S.* 465 Broadway.
Davis, E. H., 2*S.* P. 65.
Davis, E. J., 1*M.* 59 Bristol.
Davis, E. P., 1*C.* 14 Oxford.
Davis, F. F., 2*G.* H. 17.
Davis, G. A., 1*M.* P. 65.
Davis, H. E., 2*Dn.* 137 Pembroke.*
Davis, J. M., 3*L.* 58 Hammond.
Davis, L., 2*M.* 154 Beacon.*
Davis, M. B., 2*C.* G. 16.
Davis, P., 1*C.* Beck 36.
Davis, R. C., 3*C.* Ware 20.
Davis, R. I., 2*Dn.*
3 Sturgis St., Chelsea.
Davis, R. S., 2*C.* Waverley.
Davis, W. G., *sC.* 41 Essex.

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Davis, W. H., 3*M.* 91 Newbury.*
Davis, W. M., *Prof.* 1 Bond.
Davis, W. S., 2*Dn.* Braintree.
Day, E. B., 4*C.* P. 16.
Day, P., 4*S.* P. 16.
Dayton, C. W., 1*C.* Felton 3.
Dean, C. E., 1*M.* Brockton.
Dean, H. B., 1*C.* M. 30.
Dean, J., 3*C.* 65 Mt. Auburn.
Dean, P. R., 4*C.* H. 22.
Dean, R. D., 3*M.* Taunton.
Dearborn, E. P., 2*C.*
1699 Cambridge.
Dearborn, G. V. N., 1*G.*
15 Union Park.*
Dearborn, S. S., 2*M.*
169 W. Newton.*
Deavitt, E. H., 3*L.* 61 Oxford.
DeBlois, L. A., 1*S.* 372 Marlboro.*
DeBlois, T. A., *Instr. M.*
372 Marlboro.*
Decker, W. N., 3*M.*
Harv. Med. Sch.*
Deitrick, F. S., 1*L.* H'ke 24.
DeLaittre, K., 2*C.* W. H. 15.
Delany, S. P., 4*C.* P. 7.
DeLue, F. S., *Asst. M.*
468 Boylston.*
Denholm, J. A., 1*C.* W. H. 3.
Denholm, W. J., 3*C.* W. H. 36.
Denison, G. H., 1*C.* 381 Harvard.
Denison, J. A., 2*C.* P. 84.
Denison, W. T., 4*C.* M. 5.
Denman, W., 2*L.* 1716 Cambridge.
Dennen, J. H , 1*V.*
22 Bartlett St., Somerville.
Dennis, J. C., 1*C.* H'ke 34.
Dennison, H. S., 1*C.* 373 Harvard.
Denny, G. A., 1*G.* 1683 Cambridge.
Denny, G. K., 1*C.* H'ke 16.
DeNormandie, C. L., 2*L.* 10 Ash.
DeNormandie, R. L., 2*C.* W. 17.
Dent, L. L., 1*L.* 43 Irving.
Derby, G. S., 4*C.* Little's 2.
Derby, I. H., *sS.* 126 Mt. Auburn.
Derby, S. H., 1*C.* Manter 8.
Desmond, W. J., 1*C.* 14 Mellen.
Devlin, J. E., 1*C.* W. H. 21.
Dexter, E. V., 3*C.* H'y 22.
Dexter, F., *Asst. Prof. M.*
148 Marlboro.*
Dexter, L. L., 2*C.* 6 Irving Pl.
Dexter, S. O., 2*C.* 96 Prescott.
Dexter, W. E., 2*C.* Little's 20.
Diaz, M. D., 1*S.* 1023 Mass. Ave.
Dibblee, A. J., 3*L.* 57 Brattle.
Dibblee, B. H., 1*C.* 69 Mt. Auburn.
Dibblee, H., 4*C.* 8 Bow.
Dickinson, A., 2*L.* 17 Gray.
Dickinson, C., 4*C.* W. H. 1.
Dickinson, E. T., 1*Dn.* 6 Concord Sq.*
Dickinson, J. D., 2*Dn.* Watertown.
Dickinson, W. R., 1*C.* 10 Remington.
Dickson, F. C., *sS.* Ware 37.
Dill, W. F., 1*L.* C. 24.
Dilley, A. U., 2*C.* H. 32.
Diman, J. B., 1*G.*
130 Angell St., Providence, R. I.
Dinsmoor, W. P. J., 1*S.* 25 Holyoke.
Dix, G. A., 1*M.* Harv. Med. Sch.*
Dixon, P. J. H., 1*M.* Holyoke.
Dixon, R. B., 3*C.* W. H. 58.
Dobyns, F., 2*C.* S. 23.
Dodge, A. M., 1*M.* Harv. Med. Sch.*
Dodge, C. C., 1*G.*
23 Federal St., Salem.
Dodge, G. B., 2*M.* Harv. Med. Sch.*
Dodge, N. P., 2*L.* Winthrop 32.
Dodge, R. G., 2*L.* W. H. 37.
Dodge, R. M., 1*B.* Bussey Inst.
Doe, R., 2*C.* 58 Hammond.
Doherty, J. J., 1*C.*
294 Washington St., Lynn.
Dohs, F., *Instr.* 18 Story.
Dolan, F. T., 2*V.*
753 Dudley St., Dorchester.
Dole, C. F., 1*Dn.*
4 Carlisle St., Roxbury.
Dole, J. D., 1*C.*
Roanoke Ave., Jamaica Plain.
Dolman, C. G., 1*C.* 6 Story.
Donahue, J. J., *sC.*
East St., Dorchester.
Donald, E. W., *Preacher,*
233 Clarendon.*
Donald, M., 1*C.* 25 Holyoke.
Donaldson, F. A., 4*C.* 9 Story.
Donaldson, W. R., 2*C.* C't 45.
Donham, W. B., 1*C.* 80 Wendell.
Donlan, C. E., 2*M.* Lowell.
Donlan, J. M., 3*M.* Fitchburg.
Donnelly, H. A., 4*M.* 26 Bradford.*
Donoghue, J. C., 3*M.* Georgetown.
Donohoe, G., 3*M.*
166 Magnolia St., Dorchester.
Donworth, E. C., 2*L.*
12 Kirkland Pl.
Dorgan, J. A., 2*M.* Lawrence.

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Dority, A. A., 1*C.* 647 Shawmut Ave.*
Dorman, H. G., 4*C.* W. 33.
Dorman, W. E., 2*C.* S. 22.
Dorr, G. H., 3*C.* 56 Plympton.
Dorsey, C. W., 4*C.* 22 Leonard Ave.
Dorsey, G. A., *Instr.* P. M.
Doucette, A. E., 1*G.* T. 8.
Douglas, E. R., 1*G.* 54 Hammond.
Douglass, H. P., *grDv.* 20 Gray.
Douglass, T. O., 1*Dv.* 20 Gray.
Dove, P., 2*C.* Hilton 13.
Dow, C. H., 2*L.* 421 Broadway.
Dow, C. S., 3*S.* H. 2.
Dow, G. F., 4*M.* Reading.
Dow, J. W., 3*C.* T. 22.
Dow, R., 4*C.* T. 61.
Dowd, E. F., 2*M.* So. Natick.
Dowd, F. C., 1*M.* 30 Pinckney St., Somerville.
Dowling, H. M., 3*L.* 345 Harvard.
Downey, W. H., 3*M.* 7 Columbus Sq.*
Dowst, H. P., 1*C.* 8 Appian Way.
Dowty, W. E., 3*C.* M. 50.
Drake, A. K., 2*M.* Tewksbury.
Draper, E. B., 1*C.* M. 2.
Draper, F. E., 1*L.* 18 Mason.
Draper, F. W., *Prof. M.* 304 Marlboro.*
Draper, W. H., 4*C.* W. 52.
Dray, F. R., 2*M.* Harv. Med. Sch.*
Dresser, F. F., 1*L.* 12 Kirkland Pl.
Dresser, H. W., *sC.* 30 Irving.
Dresser, J. P., *sC.* 30 Irving.
Drew, C. D., 2*C.* H'y 24.
Driggs, H. P., 1*L.* 1599 Mass. Ave.
Drummond, E. A., 1*M.*, 43 Babcock St., Brookline.
Drury, G. P., 3*C.* W. 34.
DuBois, A., 2*C.* M. 23.
Duckering, W. W., 2*M.* 39 Fort Ave., Roxbury.
Duckworth, P. H., 1*Dn.* 82 Princeton St., Lowell.
Dudley, C., 3*M.* Abington.
Dudley, F. C., 4*C.* H'y 19.
Dudley, G. E., 1*C.* W. 22.
Dudley, H., 1*L.* 24 Avon Hill.
Dudley, H. S., 2*S.* Beck 7.
Duff, R., 4*C.* 26 Holyoke.
Duffield, F., 4*C.* 1168 Mass. Ave.
Duffield, G., 1*C.* 12 Mt. Auburn.
Duffield, M. S., 3*C.* 12 Mt. Auburn.
Duffield, P., *Asst.* 1168 Mass. Ave.
Dumaresq, J., 1*C.* 78 Mt. Auburn.
Duncan, S. W., 1*M.* St. Paul St., Brookline.
Dunham, R. J., 1*C.* 1256 Mass. Ave.
Duniway, C. A., 3*G.* 138 Brattle.
Dunlop, A. E., 1*L.* Winthrop.
Dunlop, J. W., 2*C.* 1270 Mass. Ave.
Dunn, C. H., 4*C.* W. 29.
Dunn, R. S., 2*C.* W. 29.
Dunning, H., *sC.* P. 44.
DuPont, E., 3*C.* H'ke 19.
Durgin, A. F., 1*C.* 61 Oxford.
Durgin, S. H., *Lect. M.* 175 Newbury.*
Durward, A., *Asst.* (also 1*G.*), 94 Wendell.
Dutch, H. W., 4*C.* D. H. 2.
Dutton, F. B., 3*C.* H'ke 26.
Dutton, G. D., 1*C.* 30 Holyoke.
Dutton, R., 2*C.* G. 20.
Dutton, W. P., 4*C.* 40 Kirkland.
Dwight, E. W., *Asst. M.* 224 Marlboro.*
Dwight, H., 1*C.* 10 Oxford.
Dwight, T., *Prof. M.* 235 Beacon.*
Dwinell, E. H., 4*C.* H. 25.
Dyar, J. W., 1*C.* W. H. 27.
Dyer, G. J., 1*C.* Claverly 51.
Dyer, H. B., 2*C.* 25 Mt. Pleasant.
Dyer, H. C., 2*L* H'y 9.
Dyer, J. L., 1*C.* 25 Mt. Pleasant.
Dyer, L. T., 4*C.* Claverly 25.
Dynes, J. H., 1*G.* 49 Oxford.
Dyrenforth, A., 4*C.* P. 11.

Earle, S. C., 2*G.* 8 Franklin St., Somerville.
Early, L. N., 2*G.* 80 Wendell.
Eastman, C. R., *Asst. M. Z.* 356 Harvard.
Easton, E. T., 1*M.* Rockland.
Eaton, A. M., 3*C.* 11 Appian Way.
Eaton, J. E., *Proctor* (also 3*L.*), Hilton 4.
Eaton, J. J., 4*S.* 81 Pemberton.
Eaton, R. G., 4*M.* Wakefield.
Eaton, W. D., 1*C.* 11 Appian Way.
Eddy, F. G., *Instr. Dn.* Providence, R.I.
Eddy, S., 4*C.* 60 Brattle.
Edgell, C. S., 1*C.* C't 23.
Edgell, F. V., 2*S.* 94 Wendell.

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EDMANDS, J. R., *Asst.* 61 Garden.
Edmunds, G., 1*L.* M. 35.
Edmunds, J. W., 2*C.* M. 8.
Edson, J. W., 2*C.* T. 12.
Edwards, E. B., 2*C.* 1256 Mass. Ave.
Edwards, H., 4*C.* 108 Mt. Vernon.*
Ehrmann, N., *sC.* 371 Harvard.
Elberfeld, S. L., *grDv.* 9 Wendell.
Elder, E. E., 1*C.* Revere.
Elder, E. R., 3*C.* H. 27.
Elder, W. S., 1*L.* 447 Green.
ELDRED, A. W., *Instr. Dn.* Worcester.
ELIOT, C. W., *President*, 17 Quincy.
Elliot, F. S., 1*L.* H'ke 2.
Elliot, J. S., 1*M.* 42 Kirkland.
Elliott, G. B., 3*L.* Claverly 38.
Elliott, J. W., 2*M.* 49 Chambers.*
Ellis, A. B., 1*Dv.* 16 Louisburg Sq.*
Ellis, D. A., 3*L.* 75 Dale St., Roxbury.
Ellis, W. R., 2*M.* 97 Prospect St., Somerville.
Ellsworth, S. W., 4*M.* Braintree.
Elmore, S. D., 3*L.* 473 Broadway.
Elwell, G. J., 1*Dn.* 37 Mt. Vernon St., Gloucester.
Ely, C. H., 1*S.* T. 58.
Ely, M., 4*C.* T. 58.
Ely, V. D., 1*C.* H'ke 41.
Emerson, E. B., 2*M.* Everett.
Emerson, F. A., 2*S.* Winthrop.
Emerson, W. R. P., 1*M.* 255 Warren St., Roxbury.
EMERTON, E., *Prof.* 19 Chauncy.
Emery, A. B., 1*S.* 9 DeWolfe.
Emery, G. E., 3*M.* Thorton St., Roxbury.
Emery, J. W., 3*Dn.* W. Medford.
Emmet, G. T., 2*C.* 60 Mt. Auburn.
Emmons, A. B., 2*C.* Hilton 19.
Emory, D. McC., *sC.* Little's 7.
Endicott, H., 3*C.* Little's 13.
Endicott, T. H., 1*C.* Hilton 37.
Ensign, C. S., 1*C.* H'ke 39.
ERNST, H. C., *Prof. M.* 8 Greenough Ave., Jamaica Plain.
Estabrook, M., 1*C.* 24 Holyoke.
Eustis, L. E., 1*C.* 3 Highland.
Evans, C. F. A., 1*C.* 827 Broadway.*
Eveleth, C. M., 4*S.* 18 Martin.
EVELETH, W. H., *Supt. of Grounds*, 18 Martin.
Everett, A. H., *sS.*
EVERETT, C. C., *Prof.* and *Dean of Div. Faculty*, 53 Garden.
Everett, E. E., 2*M.* 3 Ash Pl.*
EWALD, C. A., *Asst. M.* 94 Charles.*
Ewing, A. B., 1*C.* 215 Huntington Ave.*
Eyre, A. S., 1*C.* C. 57.

Faber, H. B., 2*S.* C't 48.
Fahnestock, C., 1*C.* Ware 13.
Fahnestock, E., 1*S.* Ware 13.
Fair, J. F., 2*M.* Natick.
Fairbank, D., 1*S.* Claverly 22.
Fairchild, B., 1*C.* 27 Holyoke.
Fairchild, J. C., 4*C.* Claverly 55.
Fairlie, J. A., 1*G.* C. 35.
Fales, D., 3*C.* M. 3.
Fales, L. A., 2*C.* 2 Hudson.
Fallon, W. E., 1*Dn.* 37 Winthrop St., Charlestown.
Falvey, F. W., 1*C.* 62 G. St., So. Boston.
Farley, F. E., 3*G.* G. 36.
Farley, J. W., 1*C.* 8 Holyoke.
FARLOW, J. W., *Instr. M.* 234 Clarendon.*
FARLOW, W. G., *Prof.* 24 Quincy.
Farnam, H., 1*L.* 54 Garden.
Farnham, E., *grM.* Harv. Med. Sch.*
Farnham, O. M., *sC.* G. 36.
Farnsworth, W. O., 2*G.* 2550 Washington St., Roxbury.
Farquhar, H. G., *sC.* Felton 19.
Farr, D. H., 1*S.* 28 Holyoke.
Farrar, C. B., 4*C.* 18 Trowbridge.
Farrar, W., 4*C.* 24 Elm St., Dorchester.
Farrington, E. L., 3*Dn.* Lowell.
Faulkner, R. E., 2*G.* 45 Mt. Vernon St.*
Faunce, W. J., 2*Dn.* 42 Spring Pk. Ave., Jamaica Plain.
Faxon, B., 3*C.* 302 Walnut St., Brookline.
FAXON, C. E., *Asst.* Jamaica Plain.
Faxon, T. K., 1*C.* 126 Mt. Auburn.
FAXON, W., *Asst. M. Z.* Arlington.
Fay, A. G., *sC.* 1691 Cambridge.
Fay, E. P., 4*C.* H. 19.
Fay, S. B., 4*C.* H. 5.
Fayerweather, R., 1*C.* 2 Gorham.
Fearing, G. R., 3*L.* Manter 3.
Feder, J. C., 1*C.* C't 2.
Feiss, H. O., 2*C.* P. 70.

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Felton, W. E., 2*S.* 44 Brattle.
Fennessy, E. H., 4*C.* 78 Mt. Auburn.
Fenno, E. N., 3*C.* Little's 10.
Fenno, H. B., 2*S.* Little's 32.
Fenollosa, M. E., 3*C.* W. 25.
Fenton, H. W., 2*S.* 28 Holyoke.
Ferguson, E. H., 2*M.* 488 Broadway, So. Boston.
Fernald, A., 3*Dn.* Har. Den. Sch.*
Fernald, M. L., *Asst.* (*also* 3*S.*) 41 Langdon.
Fernald, R. L., *sS.* 41 Langdon.
Fetter, G. E., 1*V.* 50 Village.*
Few, W. P., *Proctor* (also 4*G.*), Read's 24.
Ffoulke, H. C., 2*C.* M. 24.
Field, H. A., 2*M.* Quincy.
Field, S. B., 2*S.* 67 Oxford.
Field, T., 2*C.* Claverly 49.
Field, W. E., 3*C.* W. H. 54.
Field, W. L. W., *sS.* Milton.
Fillebrown, T., *Prof. Dn.* 157 Newbury.*
Finlay, G. I., 2*C.* 22 Shepard.
Finney, H. W., 1*C.* F. 3.
Fischer, O. E., 2*M.* 312 Columbus Ave.*
Fish, A. L., 1*C.* 421 Broadway.
Fish, H. H., 1*C.* H'ke 32.
Fisher, E. M., 3*C.* T. 46.
Fisher, J. H., 1*L.* S. 16.
Fisher, J. T., 4*M.* Harv. Med. Sch.*
Fisher, R. T., 2*C.* P. 46.
Fisher, S. C., 1*Dn.* 102 Dorchester St.*
Fisher, T. W., *Lect. M.* Insane Hospital, So. Boston.
Fisher, W. R., 3*C.* T. 9.
Fisk, I. L., 3*C.* 40 Kirkland.
Fisk, L. B., *Auditor of Dining Assoc.* Memorial Hall.
Fiske, C. H., 3*L.* 405 Marlboro'.*
Fiske, C. N., 1*M.* M. 29.
Fiske, H. M., 3*C.* 27 Everett.
Fiske, J., *Lect.* 22 Berkeley.
Fiske, W. E., 2*G.* 14 Mellen.
Fitz, G. W., *Asst. Prof.* and *Med. Visitor*, Claverly 11.
Fitz, R. H., *Prof. M.* 18 Arlington.*
Fitz, W. S., 1*C.* Little's 17.
FitzGerald, C. G., 1*C.* T. 23.
Fitzgerald, J. J., 1*Dn.* 3 Dayton Ave., Roxbury.
Fitzgerald, M., 2*L.* 40 Irving.
Fitzgerald, M. E., 2*M.* 64 W. Cedar.*
FitzGerald, R. Y., 1*L.* 40 Irving.
Fitzgerald, T. F., 3*C.* M. 33.
Fitzgerald, T. P., 3*M.* 8 Emmons Pl.
Fitzgerald, T. R., 1*Dn.* Dorchester.
Flagg, C. J., 2*C.* C't 30.
Flaherty, J. H., 1*V.* 404 Tremont.*
Flaherty, M. T., 2*L.* 67 Oxford.
Flanagan, W. F., 1*M.* Harv. Med. Sch.*
Flandrau, C. M., *Asst.* 60 Brattle.
Fleischer, C., 2*G.* 38 St. Botolph.*
Fleischmann, C. L., 4*C.* W. H. 2.
Fleisher, E. A., 1*C.* Ware 34
Fleming, G. E., *sC.* W. 9.
Flershem, R. B., 2*C.* M. 42.
Fletcher, D. H., 1*C.* D. 21.
Fletcher, J. B., *Instr.* 6 Chauncy.
Flint, C. P., 4*M.* 45 Westland Ave.*
Flint, J., 2*C.* H'ke 47.
Flynn, E. J., 1*L.* H. 8.
Folsom, C. F., *Overseer*, 15 Marlboro.*
Folsom, J. W., 1*G.* 26 Trowbridge.
Fontaine, H. T., *grM.* Harv. Med. Sch.*
Foote, H. W., 3*C.* W. H. 18.
Forbes, A., 3*C.* Claverly 41.
Forbes, E. B., 2*M.* 198 W. Brookline.*
Forbes, E. W., 1*G.* T. 34.
Forbes, F. M., 4*C.* 30 Holyoke.
Forbes, J. D., 1*C.* Little's 28.
Ford, C. W., *sC.* 22 Mt. Auburn.
Ford, C. Y., 1*Dn.* W. Newton.
Ford, G. B., 1*C.* C. 42.
Ford, J. D. M., *Instr.* (also 2*G.*), C. 56.
Ford, L. A., 1*L.* 67 Oxford.
Ford, W. B., 3*C.* 40 Kirkland.
Fordyce, S. W., 2*C.* H'ke 27.
Forman, G. A., 4*C.* Hilton 6.
Forrest, G. L., 2*Dn.* 231 W. Newton.*
Forrest, R. F., 2*M.* 28 Nichols Ave., Watertown.
Forsyth, A., 4*C.* 21 Putnam Ave.
Foss, C. A., 3*L.* 27 Irving.
Foss, E., *sC.* 8 Allston.*
Foss, G. B., *Lect. V.*, and *Resident Hospital Surgeon*, 50 Village.*

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Foster, B. O., 1*G*.
Windsor Road, Brookline.
Foster, C. .M, 1*C*. 19 Irving.
Foster, G. H., 1*C*. H'ke 43.
Foster, H. B., 1*G*. 1746 Cambridge.
Foster, H. I., 2*C*. 25 Holyoke.
Foster, I. M., 1*L*. 41 Wendell.
Foster, L. K., 2*C*. P. 81.
Foster, W. A., 1*L*. 12 Sumner.
Fowler, H. W., 2*C*. P. 53.
Fox, E. W., 2*C*. 473 Broadway.
Fox, F. B., 4*C*. T. 67.
Fox, R. K., 4*C*. M. 9.
Francis, J. S., 3*C*. H'ke 13.
FRANCKE, K., *Asst. Prof.*
2 Berkeley Pl.
Frank, H. P., 1*L*. 28 Clarendon.*
Frank, R. T., 4*C*. H'ke 11.
Fraprie, F. R., 2*S*. 22 Mt. Auburn.
Fraser, A. P., 1*L*. 54 Hammond.
Fraser, D. J., 3*Dv*. D. 20.
Frazier, H., 1*L*. 68 Mt. Auburn.
Freedman, L. A., 4*C*.
1734 Cambridge.
Freeman, G. F., 4*M*.
60 Elm St., Everett.
Freethey, E. E., 1*Dn*.
302 Methuen St., Lawrence.
Freiberg, A. J., *sL*. P. 9.
French, C. F., 3*C*. T. 11.
French, C. H., 2*C*. W. 28.
French, P., 1*C*. 28 Holyoke.
FRESÉ, G., *Instr*. Andover.
Fried, G. A., 1*C*. C't 39.
Friedberg, H., 4*C*. Read's 4.
Friedman, H. J., 3*C*. 42 Kirkland.
Friedman, L. V., 1*M*. 23 Irving.
Frost, D. M., 1*C*. 12 Mt. Auburn.
Frost, H. B., 4*M*. Belmont.
Frost, R. M., 1*C*. 16 Oxford.
Frost, S. T., 2*C*. P. 6.
Frothingham, B., 4*C*. Hilton 11.
Frothingham, E. V., 4*C*. M. 19.
Frothingham, J. W., 1*C*. Quincy 10.
FROTHINGHAM, L., *Asst. M*.
29 Gloucester.*
Frothingham, L. A., 3*L*.
29 Gloucester.*
Fuller, C. S., 4*C*. 125 Prospect.
Fuller, E. P., 3*V*. No. Andover.
Fuller, H. H., 4*C*. W. 4.
Fuller, M. B., *sC*. 12 Kirkland Pl.
FULLER, R. W., *Asst*. (also 4*S*.),
G. 14.
Fuller, S. L., 2*C*. W. H. 33.
Fullerton, E. D., 2*C*. H. 10.
Fulton, A. M., 3*C*. M. 50.
Fulton, D. M., 1*M*. 61 Ellery.
Furman, S. S., 4*C*. 102 Mt. Auburn.
Furness, J. T., 2*C*. M. 1.
Fyffe, J., 3*C*. C't 42.

Gade, J. A., 4*S*. Little's 20.
Gage, E. V., 1*C*. C. 53.
Gage, F. B., 3*V*. 50 Village.*
Galbraith, A. V., 1*C*. 63 Highland Ave.
Galbraith, J. S., 1*C*. 63 Highland Ave.
Gale, H. A., 2*C*. P. 31.
Gallagher, O. C., 4*C*. S. 13.
Gallagher, T. M., 2*M*. Wellesley.
Gallagher, W. H., 4*M*.
213 E. Eagle St., E. Boston.
Gallert, D. J., 2*L*. P. 61.
Galloupe, J. A., 3*M*. Beverly.
Gannett, T. B., 3*C*. Little's 9.
GANNETT, W. W., *Instr. M*.
274 Marlboro.*
Garceau, A., 1*L*.
22 Highland St., Roxbury.
GARDINER, J. H., *Instr*. G. 18.
Gardner, B., 3*C*. 56 Mt. Auburn.
Gardner, P., 2*C*. 30 Wallace.
Gardner, W. M., 2*C*. W. 27.
Garfield, I. M., 3*L*. Winthrop 26.
GARFIELD, L. D., *Supt. of Buildings*, 37 Irving.
Garfield, R. M., 1*Dn*. 196 Lincoln.*
Garland, F. E., 2*C*. 96 Prescott.
Garland, F. P., 2*C*.
26 Tyler St., Somerville.
Garland, R., 1*C*. 1595 Mass. Ave.
GARMAN, S., *Asst. M. Z*. 17 Gray.
GARRETT, A. C., *Instr*. T. 54.
Garrett, T., *sC*. S. 31.
Garrison, W. A., 1*G*. 11 Wenlell.
Garrison, W. L., 3*C*. 25 Holyoke.
Gates, E., 2*L*. 13 Kirkland Pl.
GATES, L. E., *Instr*. M. 40.
Gaulin, A., 3*L*. 409 Broadway.
Gavin, J. L., 2*M*. Harv. Med. Sch.*
Gaw, C., 2*C*. 125 Mt. Auburn.
Gay, E. L., 3*C*. Shepherd 6.
Gay, F. P., 3*C* 10 Concord Ave.
Gay, F. W., 1*C*. T. 51.
GAY, G. W., *Instr. M*. 665 Boylston.*
Gaylord, J. S., 1*G*.
114 W. Springfield.*
Gaylord, W. A., 2*M*. Pawtucket, R.I.

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Gaymond, G. O., 1*Dn.* Ashcroft.
Geib, F. J., 1*M.* 40 Kirkland.
Gentner, P., *sC.* C. 1.
GERALD, A. K., *Instr.* (*also* 3*L.*) 19 Trowbridge.
Germain, H. H., 2*M.* 38 St. Botolph.*
Gerrish, W. C., 1*C.* Quincy 3.
GERRISH, W. P., *Asst.* 2 Hartwell St., Roxbury.
Gerteis, L., 2*C.* C. 26.
Gibbons, S., 2*M.* 44 South St., Jamaica Plain.
Gibbs, D., 2*S.* G. 35.
Gibbs, F. E., 1*C.* T. 47.
Gibbs, J. M., 2*C.* 15 Church St., Waltham.
Gibbs, L. E., 3*S.* 45 Norfolk.
Gibbs, L. R., 1*G.* 9 Wendell.
GIBBS, W., *Prof. Em.* Newport, R. I.
Gibby, H. E., 2*S.* 1132 Mass. Ave.
Gierasch, P. F. J., 2*C.* C. 54.
Giese, A. F., *sS.* 7 Sumner.
Gifford, A. P., 2*C.* H'ke 23.
Gifford, L. O., 1*S.* C. 33.
Gilbert, A. H., 1*C.* 1727 Cambridge.
Gilbert, G. W., 3*Dn.* Andover.
Gilbert, L. W., 3*M.* H'ke 50.
Gile, W. W., 2*S.* W. H. 61.
Giles, G. A., 2*C.* 438 Green.
Gilkey, F. S., 4*C.* 9 Irving St., Watertown.
Gill, F. A., 1*L.* 1200 Mass. Ave.
Gill, P. S., 2*S.* P. 21.
Gillespie, L. L., 2*C.* Ware 32.
Gillespie, W. H., 1*G.* 48 Wendell.
GILLETT, H. W., *Instr. Dn.* Newport, R. I.
Gilman, H. S., 3*Dn.* 86 Mt. Vernon.*
Gilmore, E. A., 1*G.* 11 Howland.
Gilpin, O. W., 3*C.* P. 25.
Gilsey, H., 1*L.* Claverly 6.
Ginn, M. E., 2*C.* M. 26.
Gleason, B. W., 1*M.* Powell St., Brookline.
Gleason, C. B., 2*L.* H. 29.
Gleason, G., 3*C.* S. 25.
Gleason, J. L., *sS.* 79 Charles.*
Glenn, B. W., *sC.* 34 Bigelow.
Glenn, C. B., 1*G.* 10 Mellen.
Glennon, J. F., 1*L.* 1699 Cambridge.
Glidden, H. K., 1*M.* 6 Day.
Glidden, J. W., 2*L.* Clyde St., Brookline.
Goddard, C. F., 4*C.* Hilton 26.
Godfrey, H. F., 3*C.* Beck 5.
Golden, L., 1*M.* 86A Leverett.*
Goldfrank, F., 1*C.* C't 5.
Goldie, W. V., 1*C.* 16 Mellen.
Goldstein, M. M., 2*L.* 1734 Cambridge.
Gonterman, M. G., 1*L.* M. 4.
GOODALE, G. L., *Prof.* and *Director of Bot. Gar.* 10 Craigie.
Goodell, R. T., 3*L.* 39 Irving.
Goodman, W., 4*C.* Ware 18.
Goodrich, D. M., 2*C.* Claverly 37.
Goodrich, R. S., 2*C.* 96 Prescott.
Goodridge, F. G., 2*C.* 60 Brattle.
Goodridge, F. J., 2*C.* 1705 Mass. Ave.
Goodridge, G. A., 1*C.* 12 Scott.
Goodwin, C. N., 2*L.* H'y 15.
Goodwin, E. H., 1*G.* 8 Follen.
Goodwin, M. F., 1*C.* 29 Sacramento.
GOODWIN, W. W., *Prof.* 5 Follen.
Goodyear, W. E., 4*C.* F. 7.
Gordinier, C. H., *sC.* 4 Arrow.
Gordon, C. S., 2*Dn.* 220 W. Springfield.*
Gordon, D., 1*C.* C. 12.
Gordon, F., *sC.* 16 Oxford.
Goreth, F. W., 2*L.* C. 60.
Gorrill, W. H., 1*G.* S. 15.
Goto, S., 1*G.* 9 Story.
Gould, A. H., 4*C.* W. 28.
Gould, C. F., 2*C.* W. H. 40.
Goulding, T. F., 4*M.* 220 Summer St., Somerville.
Graham, A. M., 1*L.* 2 Mason Ave., W. Somerville.
Graham, J. B., *sC.* 12 Albion St., Dorchester.
Gram, J. P., 2*L.* 12 Howland.
Grand, E. D., 2*G.* 18 Story.
Grandin, J. L., *sC.* Ware 5.
Granger, F. B., 1*C.* 96 Ellery.
Grant, D., 3*S.* 41 Wendell.
Grant, M. D., 1*G.* 56 Plympton.
GRANT, R., *Overseer*, 104 Marlboro.*
Grant, W. M., 3*C.* Appleton St., Arlington H'ts.
Gratwick, F. C., 3*C.* Beck 4.
Gratwick, W. H., 1*G.* 14 Ash.
Graves, A. S., 1*C.* W. H. 9.
Graves, W. P., 1*M.* 89 Charles.*
Gray, C. D., 3*C.* 27 Winter St., W. Somerville.
Gray, G., 2*S.* Ware 55.
Gray, G. A., 2*L.* T. 31.

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Gray, H. B., 1*M.* 38 Dartmouth.*
Gray, H. G., 3*C.* W. H. 29.
GRAY, J. C., *Prof. L.* 176 Beacon.*
Gray, J. C., 3*C.* W. H. 29.
Gray, R., 1*L.* Manter 6.
Gray, W. C., 4*C.* C. 6.
Gray, W. H., 2*C.* W. 15.
Graydon, J. S., 2*C.* C't 29.
Greany, D. F., 3*C.* 25 Holyoke.
GREEN, C. M., *Asst. Prof. M.* 78 Marlboro.*
Green, E. J., 2*C.* 34½ Shepard.
GREEN, J. O., *Prof. M.* 182 Marlboro.*
Green, M., 4*C.* W. 29.
GREEN, S. A., *Overseer,* 30 Tremont.*
Green, W. D., 2*C.* C't 40.
Greene, D. C., 1*M.* H'ke 9.
GREENE, H. C., *Asst.* 345 Marlboro.*
Greene, J. D., 4*C.* H'y 10.
Greene, R. T., 4*C.* 48 Dana.
Greene, S. E., 4*C.* D. H. 2.
Greenfield, A. D., 2*L.* T. 4.
Greenhalge, F. B., 2*C.* P. 38.
GREENMAN, J. M., *Asst.* 54 Garden.
Greenman, L. M., 2*Dv.* D. 19.
Greenough, C. N., 2*C.* T. 25.
GREENOUGH, J. B., *Prof.* 9 Riedesel Ave.
Greenough, M. S., 2*C.* Ware 38.
Greenough, R. B., 4*M.* 9 Riedesel Ave.
Greenough, W., 4*C.* Read's 2.
Greenwood, G. T., 2*Dn.* 54 Montgomery.*
Gregg, C. F., 4*C.* 18 Mellen.
Gregg, J. E., 3*C.* M. 25.
Gregg, R. E., 1*L.* 19 Ware.
Gregory, E. M., 3*C.* S. 10.
Grew, H. S., 4*C.* Claverly 52.
Griffin, B. F., 1*C.* 190 Ash St., Chelsea.
Griffin, C. H., 2*M.* Providence, R. I.
Griffin, C. S., 1*G.* C. 68.
Griffin, F. W., 4*C.* 56 Mt. Auburn.
Griffin, M. E., *sS.* 56 Mt. Auburn.
Griffin, W. A., 3*C.* S. 25.
Griffith, E. E., 2*G.* 11 Atherton St., Somerville.
Griggs, T. W., 1*S.* Felton 26.
Grilk, C., 2*C.* S. 23.
Grimes, J. H., 2*M.* 14 Concord Sq.*
Grimes, J. R., 1*M.* 686 Mass. Ave.*
Grimes, W. H., *sC.* T. 8.
Grinnell, F. W., 1*L.* 15 Millmont St., Roxbury.
GRISWOLD, L. S., *Asst.* 238 Boston St., Dorchester.
Grosh, J. E., 1*S.* Felton 28.
GROSS, C., *Asst. Prof.* 11 Putnam Ave.
Grossman, E. M., 1*L.* M. 27.
GROVER, F. O., *Proctor* (also 2*G.*), Brewer's 12.
Guiler, R. W., 3*M.* 942 E. Broadway,*
Guillow, L. E., 2*C.* S. 2.
GULICK, C. B., *Instr.* Clavery 18.
Gulick, J. G., 2*C.* C. 62.
Gulliver, F. P., 4*G.* 1686 Cambridge.
Gunn, W. J., 1*C.* 50 Frost.
Gurney, M. K., 2*C.* M. 60.
Gustafson, J. G., 1*G.* 40 Mt. Auburn.

Hack, H. W., 2*C.* G. 6.
Hackett, H. S., 3*C.* 1132 Mass. Ave.
Hadlock, E. H., *grDv.* 41 Wendell.
Hager, L., 4*C.* 28 Holyoke.
Hagerman, G. F., 2*C.* C. 57.
Hagerman, L. W., 4*C.* Shepherd 11.
Hahlo, A. H., 4*C.* W. H. 2.
Hahn, A., 3*Dv.* Newton.
Haines, I., 4*M.* 12 Ash.
Hale, A. L., *sC.* P. 30.
HALE, E., *Asst.* E. Orange, N. J.
Hale, F., 4*C.* 1208 Mass. Ave.
Hall, A., 3*Dv.* D. H. 1.
Hall, A. W., 4*C.* Felton 13.
HALL, E. H., *Prof.* 37 Gorham.
Hall, E. K., 3*L.* 9 Wendell.
Hall, F. Y., 2*C.* T. 52.
Hall, G. D., 1*C.* Claverly 39.
Hall, G. W., 2*C.* C't 8.
Hall, H. M., 1*C.* T. 20.
Hall, J. F., 3*C.* T. 57.
Hall, J. G., 1*G.* 122 Oxford.
Hall, J. P., 2*L.* 10 Mellen.
Hall, R. W., 1*G.* Brookline.
HALL, T., *Instr.* Little's 18.
Hall, W. A., 3*C.* F. 7.
Halle, A. J., 2*C.* P. 70.
Halle, E. S., 3*C.* 20 Prescott.
HALLETT, T., *Instr. Dn.* 344 Boylston.*
Halliday, J., 1*C.* 467 Broadway.
Halloran, J. A., 2*L.* 12 Sumner.
Halloran, T. J., 2*M.* Lowell.

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Hallowell, N. P., 3*C.* 25 Holyoke.
Hallowell, R. H., 4*C.* Claverly 29.
Ham, L., 2*L.* 13 Trowbridge Pl.
Ham, R. J., 4*C.* F. 5.
HAMAKER, J. I., *Asst.* (also 2*G.*), 14 Shepard.
Hamblet, C. A., 3*V.* Lowell.
Hamilton, C. A., 1*C.* W. H. 3.
Hamilton, G. H., 4*C.* C't 28.
Hamilton, T. E., *sC.* 1716 Cambridge.
Hamilton, W., 2*M.* 14 Carlton St., Holyoke.
Hamlen, P. M., 4*C.* Claverly 45.
Hamilton, R. W., 1*B.* 611 Tremont.*
Hammond, F. L., 1*C.* C. 34.
Hammond, O. D., 3*C.* 1746 Cambridge.
Hammond, W. J., 1*M.* 44 Crescent St., Quincy.
Hanavan, G.B., 2*C.* 1734 Cambridge.
HANCOCK, A. E., *Proctor* (also 2*G.*), Felton 18.
Hancock, J.C., 2*M.* 11 Irvington St.*
Hand, B. L., 3*L.* 52 Brattle.
Handy, H.T., 3*M.* 61 Worcester St.*
Hanford, C. W., *sC.* Claverly 4.
Hanna, A. S., 2*S.* D. 39.
Hanna, G. A., *sS.* 9 De Wolfe.
Hannum, H. O., 3*Dv.* D. 7.
Hanrahan, G. F., 1*M.* Lawrence.
Hanrahan, T., 1*Dn.* 3 Concord Sq.*
Hanson, F. L., 2*C.* C. 69.
Hanson, W. C., 1*C.* 36 Gray.
HANUS, P. H., *Asst. Prof.* 5 Walker.
Hapgood, L. S., 3*C.* T. 11.
Hardenbrook, F. L., 2*C.* S. 24.
Harding, E., 1*G.* 60 Brattle.
Harding, F. H., 2*Dn.* 15 Allen.
Harding, H. A., 1*L.* C't 13.
Hardwick, C. H., 2*C.* Quincy.
Hardy, C. A., 3*C.* Read's 26.
Hardy, C. W., 1*C.* 132 Perkins St., Somerville.
Hardy, H. W., 3*Dn.* 212 Columbus Ave.*
Hardy, T. E., 2*M.* Harv. Med. Sch.*
Hardy, T. S., 1*C.* Little's 30.
Harley, F. W., 1*S.* Hilton 2.
Harlow, E. D., 1*C.* C't 14.
Harper, C. S., *sC.* 42 Kirkland.
Harper, F., 2*C.* Claverly 37.
Harper, W. R., *sS.* 1691 Cambridge.
Harriman, C. C., 3*C.* D. 38.
Harrington, A., 3*C.* 37 Monument Ave., Charlestown.
HARRINGTON, C., *Instr. M.* 57 Orchard St., Jamaica Plain.
Harrington, J. T., 1*C.* P. 67.
Harrington, W. L., 2*C.* P. 67.
Harris, A. T., 3*C.* Read's 26.
Harris, F. W., 1*C.* 42 Highland Ave., Somerville.
Harris, J. R., 4*S.* 9 Linden.
Harris, R. B., 1*C.* P. 73.
Harris, R. W., 1*C.* G. 28.
Harris, S. J., 2*M.* 26 Dartmouth.*
Harris, W. C., 1*C.* 42 Highland Ave., Somerville.
Harrison, J., 4*S.* Read's 12.
Harrison, R. W., 1*L.* 56 Mt. Auburn.
HART, A. B., *Asst. Prof.* 15 Appian Way.
Hart, E. J., 1*Dn.* 238 Washington Ave., Chelsea.
HART, J. G., *Asst.* Little's 18.
Hart, J. S., 2*M.* So. Lincoln.
Hart, J. T., 4*C.* 415 Broadway.
Hart, M. J., 4*M.* 176 I St., So. Boston.
Hart, R. H., 2*C.* 40 Kirkland.
Hartnett, E. D., 2*M.* 74 London St., E. Boston.
Hartshorn, S. H., 2*C.* C't 37.
Hartwell, H. F., 2*M.* Hotel Oxford.*
Hartzell, W. T., 1*L.* P. 71.
Harvey, J. F., 1*M.* 666 Tremont.*
Harvey, W. W., 2*M.* 3 Holden Pl., Dorchester.
Harwood, J. H., 3*L.* Ivanhoe St., Newton.
Haseltine, H. C., *sC.* 27 Holyoke.
Haskell, E. K., 1*C.* M. 56.
Haskell, G. B., 2*C.* M. 35.
Haskins, F. H., 1*M.* Springfield.
Hastings, G. B., 3*C.* Brookline Ave.*
Hastings, T. M., 2*S.* Little's 6.
Hatch, A. E., 2*S.* M. 31.
Hatch, E. S., 1*M.* 8 Sparhawk St., Brighton.
Hatch, L. C., 1*G.* 378 Harvard.
Hatch, W. H. P., 2*C.* C. 69.
Hatfield, H. K., 2*M.* 125 Marlboro.*
Hathaway, G. A., 3*C.* 467 Broadway.
Hathaway, J. H., 4*C.* 62 Kirkland.
Hathorn, R. L., 2*L.* 46A Trowbridge.
Hatton, M. W., 1*G.* 13 Mellen.
Hauck, W., 4*S.* Watertown Arsenal.

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Haughton, P. D., 1*C.* 30 Holyoke.
Haven, G., *Instr. M.* 1 Exeter.*
Hawes, C. S., 1*M.* 1691 Cambridge.
Hawkes, C. E., 2*C.* C't 9.
Hawkins, D. P., 1*S.* Ware 37.
Hawkins, J. F., 4*M.* 24 Dartmouth.*
Hawman, E. H., *sS.* 42 Kirkland.
Hay, L., 2*L.* Winthrop 11.
Hayden, F., *sC.* 15 Sumner.
Hayden, H. B., 1*C.* 44 Brattle.
Hayden, J. P. 3*C.* H'ke 8.
Hayden, T. B., *Instr. Dn.* 687 Boylston.
Hayes, A. E., 2*M.* Harv. Med. Sch.*
Hayes, B. H., 2*C.* H'y 2.
Hayes, J. J., *Instr.* 5 Story
Hayes, J. J., 4*C.* H'y 2.
Hayes, R. B., *sC.* 58 Wendell.
Hays, D. S., 3*V.* Waltham.
Hayley, H. W., *Tutor*, 26 Mellen.
Haynes, H. M., 3*Dn.* 217 Huntington Ave.*
Hayter, S. R., 4*C.* 20 Ware.
Hayward, J. B., 3*C.* P. 72.
Hayward, P., 2*C.* C't 24.
Hazard, P. R., 4*C.* 17 Dunster.
Hazeltine, H. D., 1*L.* 683 Cambridge.
Hazlett, S., *sS.* Ware 16.
Healy, D. L., 2*M.* W. Newton.
Healy, J. C., 1*C.* 65 Hammond.
Healy, J. R., 3*C.* G. 2.
Healy, W., *sC.* 1593 Mass. Ave.
Healey, W. C. S., 2*C.* 193 Webster St., E. Boston.
Hebard, A. P., 3*L.* Ware 14.
Hecht, S. E., 2*C.* Ware 34.
Heckscher, S., 4*C.* Claverly 42.
Hedges, R. S., 1*C.* C't 7.
Heilig, F., 3*C.* M. 55.
Heinsling, E. L., *sC.* 1134 Mass. Ave.
Heller, I. S., 1*L.* 63 Oxford.
Hemenway, A., *Overseer*, 10 Tremont.*
Henderson, C. R., *grM.* Harv. Med. Sch.*
Henderson, L. J., 2*C.* P. 15.
Hendrick, F., 2*C.* G. 3.
Hennen, W. D., 2*C.* 1137 Mass. Ave.
Hennessey, J., 2*L.* 357 Market St., Lowell.
Henry, E. E., 2*Dn.* Wellesley Hills.
Henry, L. W., 1*S.* M. 4.
Henshaw, O. B., 1*G.* 36 Linnaean.
Henshaw, S., *Asst. M. Z.* 3 Mercer Circle.
Herald, E. B., 2*L.* 29 Sacramento.
Herman, L. H. P., 1*S.* H'ke 27.
Hernsheim, C., *sC.* 94 Prescott.
Herrick, L. E., 3*C.* Hotel Westland.*
Herrick, T. G., 1*M.* 132 Chandler.*
Herschel, W. H., 4*C.* T. 9.
Hersey, E., *Instr. B.* Roslindale.
Hersey, F. W. C., 1*C.* 1611 Mass. Ave.
Hersey, G. M., 1*Dn.* South St., Hingham.
Hervey, A. M., 4*C.* Ware 44.
Hervey, E. P., 2*L.* Ware 22.
Hess, A. F., 3*C.* W. H. 38.
Hewes, H. F., *Asst. M.* 3 Fairfield.*
Hewitt, H. B., *sS.* Felton 34.
Hewlett, J. C., 1*G.* Argo House, Roslindale.
Heyl, P. R., 1*G.* 67 Mt. Auburn.
Hickey, J. A., 4*M.* 144 Saratoga St., E. Boston.
Hickey, J. H., 3*L.* G. 37.
Hickox, C. R., 3*L.* 18 Mason.
Hicks, R. B. C., 4*C.* 65 Hammond.
Higginson, A. H., 2*C.* Wadsworth 7.
Higginson, H. L., *Fellow*, 44 State.*
Highlands, A. A., 1*L.* 1256 Mass. Ave.
Hildreth, A. H., 4*C.* 14 Garden.
Hildreth, H. E., 1*C.* 6 Linnaean.
Hildreth, L. T., 1*L.* 29 Holyoke.
Hiler, E. O., 3*L.* T. 26.
Hill, A. S., *Prof.* Sev. 3.
Hill, C. S., 1*L.* 17 Story.
Hill, D. M., 2*C.* 25 Holyoke.
Hill, E. L., 2*C.* Read's 26.
Hill, G. S., 1*M.* 24 Monument Sq., Charlestown.
Hill, H., *sS.* 1256 Mass. Ave.
Hill, H. B., *Prof.* and *Director Chem. Lab.* B. 15.
Hill, Harry H., 3*C.* M. 25.
Hill, Henry H., 1*C.* T. 10.
Hill, H. N., 3*V.* Hyde Park.
Hill, J. A., *Instr.* 381 Harvard.
Hill, J. F., *sC.* 13 Mt. Auburn.
Hill, L. D., *Asst.* (also 1*G.*), 366 Harvard.
Hill, W. W., *sS.* P. 64.
Hills, G. E., 3*C.* Beck 33.
Hills, W. B., *Assoc. Prof. M.* 27 Everett.

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Hillyer, V. M., 3*C.* P. 87.
Hinchey, R., 2*M.* Lexington.
Hinckley, D. R., 4*M.* 312 Columbus Ave.*
Hinckley, F. C., 4*C.* C't 26.
Hindes, J.C., 1*Dn.* Harv. Den. Sch.*
Hinman, G. W., 2*C.* C. 10.
Hisa, M., 1*G.* 9 Story.
Hitchcock, F. L., *Asst.* (also 4*C.*), 9 Story.
Hite, L. F., 3*G.* 1 Avon Pl.
Hixon, E. C., 3*M.* 567 Mass. Ave.*
Hoague, T., 2*C.* Ware 47.
Hoar, S., *Fellow*, Concord.
Hobbs, C. W., 3*C.* C. 3.
Hobson, W. S., 4*C.* M. 45.
Hodge, W. F., 1*L.* C. 38.
Hodges, A. W., 3*S.* Newton Centre.
Hodges, R. O., 1*S.* 6 Ash St. Pl.
Hodgman, A. W., 4*G.* 90 Brattle.
Hoffman, J. E., 4*C.* 5 Linden.
Hogan, J. A., 3*M.* Lawrence.
Hogg, G., 1*L.* Winthrop 14.
Hoitt, A. W., 3*C.* T. 66.
Holbrook, J. S., 4*C.* Beck 24.
Holbrook, M. S., 1*C.* T. 17.
Holden, J. B., 1*C.* Ware 19.
Holden, W. M., 2*C.* 20 Prescott.
Holland, A., 4*S.* H'ke 25.
Holland, H. T., 4*M.* Jamaica Plain.
Hollings, W. F., *sS.* M. 52.
Hollis, I. N., *Prof.* 17 Hammond.
Hollis, J. H., *sC.* P. 24.
Hollis, S. H., 2*C.* P. 24.
Hollister, E., 3*C.* Little's 22.
Hollister, R. R., *Asst.* (*also* 3*C.*) D. 33.
Hollister, S., 3*C.* Little's 26.
Holmes, A. B., 4*C.* H'y 4.
Holmes, C. N., 4*C.* 891 Mass. Ave.
Holmes, E. P., *Instr. Dn.* Stoughton.
Holmes, G. M. R., 2*C.* 229 Marlboro.*
Holmes, H. F., 2*S.* 14 Howland.
Holmes, H. H., *sS.* Ware 49.
Holmes, M. B., 1*C.* Little's 8.
Holmes, T. L., 1*C.* Little's 17.
Holmes, W. B., 4*C.* 39 William.
Holt, E. B., 4*C.* T. 42.
Holt, E. G., 1*S.* Felton 8.
Holt, F. H., 1*M.* 78 Appleton.*
Holt, F. H. F., 1*C.* 5 Concord Ave.
Holt, H. J., 2*C.* 42 Kirkland.
Holt, R. W., *sS.*
Holt, W. A., 2*C.* P. 13.
Holway, A. H., 2*C.* T. 63.
Homan, J. M., 2*M.* Sheldon St., Roslindale.
Homans, J., *Instr. M.* 164 Beacon.*
Homans, J. A., 1*C.* Shepherd 9.
Homans, R., 2*L.* 164 Beacon.*
Hone, J. B., 1*L.* 54 Garden.
Hood, C. W., 1*C.* 55 Windsor St., Roxbury.
Hooper, E.W., *Treasurer*, Fayerweather.
Hooper, H. T., 2*C.* C't 9.
Hooper, S. R., 1*G.* 8 Mt. Pleasant St., Winchester.
Hopkins, F. S., *Instr. Dn.* 161 Newbury.*
Hopkins, H. M., 1*G.* 69 Oxford.
Hopkins, R. G., 1*C.* Read's 6.
Hopkins, S. U., *Asst.* (also 3*S.*), G. 46.
Hopkins, W. S. B., 2*L.* 12 Kirkland Pl.
Hoppe, L. J., 1*L.* 67 Oxford.
Hoppin, F. S., 4*C.* W. 5.
Horne, C. A., 3*G.* Lawrence 5.
Horne, H. W., 4*S.* Belmont.
Horne, I. W., 3*G.* Braintree.
Horne, P. L., *Asst.* (also 3*G.*) 18 Ellery.
Hosmer, L. H., 2*C.* 9 Linden.
Hovey, C. H., 2*C.* 17 Mt. Auburn.
Howard, A. A., *Asst. Prof.* 8 Hilliard.
Howard, A. H., 2*C.* T. 59.
Howard, A. S., 3*C.* P. 20.
Howard, B. B., 4*C.* H'y 8.
Howard, E. H., 2*M.* 24 Worcester.*
Howard, J. F., 1*M.* Lawrence.
Howard, L. H., *Lect. V.* 67 W. Newton.*
Howard, P. B., 1*M.* Kent Pl., Brookline.
Howard, W. D. M., 1*S.* G. 8.
Howard, W. G., *Instr.* H'ke 33.
Howe, C. R., *sS.* 30 Mt. Auburn.
Howe, G. A., 4*C.* H'y 19.
Howe, H. L., 1*Dn.* 13 Ashburton Pl.*
Howe, H. W., 3*C.* 78 Mt. Auburn.
Howe, J. C., 1*C.* Hilton 17.
Howe, W., 3*C.* 14 Oxford.
Howe, W. C., 2*M.* Dedham.

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Howe, W. D., 3*L*. 14 Concord Ave.
Howell, J. A., 3*C*. C. 49.
Howell, W. W., 4*C*. G. 11.
Howes, E. A., 3*L*. S. 18.
Howland, A. H., 4*C*. 10 Channing Pl.
Howland, G. W., 2*C*. 421 Broadway.
Howland, J. B., 4*M*.
29 Webster Ave., Brookline.
Hoyt, G. A., 1*C*. 1716 Cambridge.
Hoyt, G. M., *sS*. 11 Wendell.
Hoyt, W. W., 2*C*. 10 Hilliard.
Hubbard, A. L., 1*L*. 21 Ellery.
Hubbard, F. T., 2*C*. Hilton 24.
Hubbard, H. V., 3*C*. H'ke 32.
Hubbard, J. C., 4*M*.
50 Gainsboro'.*
Hubbard, J. E., 2*C*. 1200 Mass. Ave.
Hubbard, P. M., 2*C*. M. 24.
Hubbell, J. D., 2*L*. 1208 Mass. Ave.
Hudnut, P. A., 2*M*. Needham.
Hudson, A. S., 1*M*. Newton.
Hughes, T. B., 1*L*.
1 Parkman St., Brighton.
Huidekoper, F. L., 4*C*. Shepherd 18.
Huidekoper, R. S., 2*C*. Ware 21.
Huiskamp, J. E., 2*C*. W. 21.
Huling, R. G., 3*G*. 101 Trowbridge.
Humes, G. R., *sS*. 94 Wendell.
Hunt, J. C., 4*C*. M. 9.
Hunt, R. H., 2*C*. P. 41.
Hunt, R. S., 1*Dn*.
122 Huntington Ave.*
Hunter, D., 1*C*. G. 32.
Hunter, H. C., 2*C*. 61 Oxford.
Huntington, A. T., 2*M*. Chelsea.
Huntington, C. D., 1*C*. 12 Ware.
Huntington, E. V., *Instr*. (also 1*G*.), P. 23.
Huntington, H.B., 3*C*. 7 Waterhouse.
Huntington, H. R., 2*C*.
125 Mt. Auburn.
Huntress, H. P., 1*C*. W. 20.
Huntsman, O. B., 3*C*. H. 32.
Hurd, L. E., 1*C*. H'ke 44.
Hurd, R. C., 3*M*. Newburyport.
Hurlbut, B. S., *Recording Secretary* and *Instr*. H. 7.
Hurley, C. A., 1*S*. 7 Linden.
Hurley, E. M., 2*S*. 7 Linden.
Hurt, G. F., 2*C*. 19 Remington.
Hurt, H. H., 2*L*. P. 33.
Hurt, J. C., *sS*. P. 33.
Hutchins, H. D., 1*Dn*.
51 Bloomfield St., Dorchester.
Hutchinson, H., 2*L*.
62 Jefferson St., Newton.
Hutchinson, J. S., *sC*.
1686 Cambridge.
Hutchinson, J. W., *sS*. Ware 45.
Hutchison, J. G., *sS*.
8 Heath Ave., Roxbury.
Hutchison, P. A., *sC*. T. 33.
Hutton, W. E., 1*L*. S. 16.
Huxley, H. W., 1*C*. T. 40.
Hyatt, A., *Asst. M. Z*. Francis Ave.
Hyde, A. S., 4*C*. 44 Brattle.
Hyde, B. D., 2*L*. Ware 22.
Hyde, C. C., 1*L*. W. H. 30.
Hyde, F. E., 2*C*. 467 Broadway.
Hyde, F. T., 2*M*. Waltham.
Hyde, J. H., 2*C*. Claverly 9.
Hyman, M., 1*C*. C't 36.
Ingalls, A. S., 4*C*. Beck 43.
Ingersoll, C. E., 2*L*. 8 Ellery.
Ingle, J., 2*L*. 34½ Shepard.
Ingoldsby, J. E., 2*M*.
Harv. Med. Sch.*
Ingraham, A., 4*C*. W. H. 59.
Ingraham, P., 2*C*. Claverly 8.
Ingraham, W. M., 1*L*. 12 Oxford.
Irish, H. A., *sC*. 46 Langdon.
Irvin, E. T., 1*S*. 9 Bow.
Irving, A. D., 1*L*. Claverly 16.
Iselin, J. H., 4*C*. Beck 6.
Ittner, M. H., 2*G*. 94 Hammond.

Jack, A. E., 1*G*. 44 Sacramento.
Jack, J. G., *Lectr*.
Arnold Arboretum, Jamaica Plain.
Jack, L. H., 1*M*. Portland, Me.
Jackson, C., 2*C*. 28 Holyoke.
Jackson, C. L., *Prof*. H'y 11.
Jackson, C. N., 2*C*. P. 54.
Jackson, F. T., 1*C*. C't 1.
Jackson, H., *Asst. M*. 309 Marlboro.*
Jackson, H. B., 3*C*. C't 1.
Jackson, M. M., 4*C*. Ware 36.
Jackson, R. A., 1*C*. 18 Plympton.
Jackson, R. F., 2*S*. T. 52.
Jackson, R. T., *Instr*.
33 Gloucester.*
Jackson, W. H., 2*C*. C't 41.
Jacobs, A., 2*C*. 19 Pleasant.
Jaffray, P. M., 1*S*. 12 Mt. Auburn.
Jagemann, H. C. G. von, *Asst. Prof*. 9 Walker.
Jaggar, T. A., *Instr*. (also 2*G*.), P. 60.

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James, E., 1*L.* Winthrop 15.
James, E. H., 4*C.* H'y 21.
James, H., 1*C.* 95 Irving.
James, W., *Prof.* 95 Irving.
Jameson, H. W., 1*M.*
28 Eliot St., Jamaica Plain.
Jameson, I. L., 1*C.* 1134 Mass. Ave.
Jaques, L. C., 1*G.*
57 Jaques St., Somerville.
Jastram, E. P., 1*L.*
18 Trowbridge Pl.
Jefferson, W. G., 1*M.* Norwood.
Jeffries, C. S., 1*C.* 9 Linden.
Jenkins, B. A., *grDv.* 39 Hurlbut.
Jenkins, G. R., 3*L.* 40 Kirkland.
Jenkins, L. L., 1*Dn.*
110 Trenton St., E. Boston.
Jenkins, L. W., 4*C.* Shepherd 15.
Jenkins, T., 3*C.* 45 Trowbridge.
Jenks, R. D., 3*C.* H'ke 20.
Jenness, H. C., 1*C.* 30 Irving.
Jenney, C., 3*C.* H. 9.
Jenney, L. W., 2*L.* 6 Irving Pl.
Jennings, A. T., 1*S.* 28 Banks.
Jennings, H. S., 2*G.*
11 Francis Ave.
Jennings, R. W., 3*C.* H'ke 20.
Jenny, A. B., *grM.* Harv. Med. Sch.*
Jewell, E. C., 4*C.* 2 Gorham.
Jewell, P., 1*C.* Manter 5.
Jewell, W. O., 2*C.* 2 Gorham.
Johnson, A. N., *Instr.* D. 27.
Johnson, C. E., 2*S.* 26 Lee.
Johnson, D. D., 1*C.* Hilton 10.
Johnson, D. J., 2*M.*
Harv. Med. Sch.*
Johnson, E., *sS.* 22 Prescott.
Johnson, E. St. J., 2*C.* W. 41.
Johnson, F. A., 1*L.* 22 Prescott.
Johnson, G. D., 4*M.*
373 Commonwealth Ave.*
Johnson, H. A., 1*M.*
128 Huntington Ave.*
Johnson, H. S., 4*C.* T. 1.
Johnson, J. E., *grDv.* 41 Wendell.
Johnson, J. M., 1*C.* C. 61.
Johnson, L. J., *Instr.* 100 Avon Hill.
Johnson, R. H., 1*L.* G. 10.
Johnson, R. M., 2*C.* Hilton 3.
Johnson, T. J., 4*C.* Hilton 10.
Johnson, W. A., 2*C.* 421 Broadway.
Johnson, W. L., *sC.*
41 G St., So. Boston.
Johnson, W. S., 2*M.* 91 Newbury.*
Johnston, C. H. L., 1*S.* 28 Holyoke.
Johnston, F. W., 3*C.* 18 Trowbridge.
Johnston, H., 4*C.* 3 Sumner.
Johnston, W. B., 3*C.* 28 Holyoke.
Jones, A. M., 3*C.* Hilton 38.
Jones, D. F., 4*M.* Harv. Med. Sch.*
Jones, E. L., 3*C.* W. H. 12.
Jones, E. N., 1*L.* 12 Kirkland Pl.
Jones, F. E., 3*M.* Quincy.
Jones, F. M., 4*C.*
27 Porter St., Somerville.
Jones, H. L., *Instr.* 92 Hammond.
Jones, H. W. 1*G.* 276 Harvard.
Jones, I. T., 2*S.* 60 Mt. Auburn.
Jones, J. A., 1*C.* 1727 Cambridge.
Jones, John H., 1*L.* C. 21.
Jones, Joseph H., 2*Dv.* D. 6.
Jones, M. B., 2*L.* 9 Wendell.
Jones, R. F., 1*C.* Concord.
Jones, W. T., *sC.* G. 51.
Jordan, F., 2*C.* Ware 9.
Jordan, J. O., *Asst. M.*
994 Washington.*
Joseph, E , 3*C.* 43 Irving.
Joslyn, M. L., 2*L* Winthrop 18.
Jouett, F. R., 1*M.*
37 Chester St., W. Somerville.
Joy, R. H., *sC.*
Joyce, M. V., 2*L.* 1132 Mass. Ave.
Jungerich, E. E., 1*C.* 1256 Mass. Ave.
Jutten, B. C., 4*S.* G. 19.

Kahn, M., 2*M.* Harv. Med. Sch.*
Kales, A. M., 4*C.* 1256 Mass. Ave.
Katzmann, F. G., 4*C.*
54 Cottage St., Hyde Park.
Kauffman, C. H., 4*C.* 2 Lamont Ave.
Kaven, G. A., 1*L.* 36 Bowdoin.
Keate, W., 2*M.* 8 9 Appleton.*
Keen, B. W., *sC.* 362 Harvard.
Keene, C. H., 2*C.*
47 Mansfield St., Allston.
Keene, P. M., 1*C.* C't 12.
Keiley, J. W., 1*C.* H'ke 43.
Kellen, F. S., 1*V.* Watertown.
Kellogg, S., 1*S.* Little's 31.
Kelly, N. S., 2*C.* P. 6.
Kelsey, W. H., 3*S.* 15 William.
Kemmerer, J. L., 3*L.* Ware 8.
Kendall, H. F., 2*S.* 8 Garden.
Kendall, W. S., 1*C.* 13 Shepard.
Kendricken, J. M., 3*L.* 96 Prescott.
Kennard, W. W., 3*C.*
1689 Cambridge.

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Kennedy, F. A., 2*C.* M. 30.
Kennedy, H., 2*M.* 150 Huntington Ave.*
Kennedy, M. H., 1*L.* Felton 2.
Kennedy, R. L., 1*L.* 65 Hammond.
Kennedy, S., 3*C.* W. H. 58.
Kennett, J. D., 2*C.* Beck 41.
Kenney, A. M., 2*Dn.* 161 Glenway St., Dorchester.
Kent, E. A., 2*Dn.* 48 Montgomery St., W. Medway.
Kent, E. E., 3*L.* Felton 11.
Kepler, C. O., 2*M.* 72 Mt. Vernon.*
Kerkhoff, W. M., *sDv.* 176 Prospect.
Kernan, F. K., 3*C.* 1208 Mass. Ave.
Kernan, W. E., 3*M.* Harv. Med. Sch.*
Kerper, G. B., 1*C.* H'ke 30.
Kershaw, F. S., 5*G.* M. 7.
Kershaw, M. H., 1*L.* 1599 Mass. Ave.
Ketcham, J. L., 4*C.* 40 Kirkland.
Keyes, L. B., 1*C.* C. 18.
Keyser, F. H., *sC.* 31 School St., Charlestown.
Kidder, H. H., *sC.* 183 Brattle.
KIERNAN, T. J, *Supt. of Circulation in Coll. Library*, 25 Trowbridge.
Kilbourn, A. G., 1*C.* T. 48.
Kilbreth, J. W., 2*C.* Ware 10.
Kimball, D., 2*G.* 19 Oxford.
Kimball, E. C., 4*C.* 10 Oxford.
Kimball, H. H., 1*C.* P. 28.
Kimball, L. C., 2*C.* P. 28.
Kimball, M. R., 1*L.* 19 Rutland.
Kimball, W. O., 2*C.* T. 19.
Kimberly, S. C., 2*C.* 1168 Mass. Ave.
Kimmons, J. H., 3*C.* 17 Dunster.
King, A. E., 3*C.* H. 28.
King, C. N., 2*C.* 56 Plympton.
King, G. G., 1*L.* Concord.
King, M. L., 2*M.* 12 Remington.
King, M. LeN., 1*G.* C. 30.
King, R., 4*C.* 89 Hammond.
King, R. M., *sC.* Felton 9.
King, W. H., 4*C.* Melrose.
Kingsbury, H. P. D., *sC.* F. 4.
Kingsbury, I. W., 4*C.* W. H. 6.
Kinnicutt, F. H., 3*C.* H'y 16.
Kinnicutt, G. H., 2*C.* W. 13.
Kinsler, J. C., 1*L.* 10 Mellen.
Kirby, J. P., 2*L.* 67 Oxford.
Kirgis, A., 1*M.* 37 Falmouth.*
Kirkpatrick, J. B., 2*L.* 96 Prescott.
KITTREDGE, G. L., *Prof.* 9 Hilliard.
Klein, E., 1*G.* 7 Howland.
Klein, E. S., 1*C.* 58 Hammond.
Kline, L. W., 4*S.* C. 28.
Knapp, A. H., 2*S.* 11 Wendell
KNAPP, P. C., *Instr. M.* 33 Marlboro.*
KNIGHT, A. S., *Asst. M.* 295 Beacon.*
Knight, C. S., 4*M.* Harv. Med. Sch.*
Knight, H. F., 4*C.* T. 14.
Knight, H. G., 1*M.* Malden.
Knoblauch, E. G., 4*C.* H'ke 18.
Knoblauch, G. W., 3*C.* W. H. 11.
Knowles, F. L., 4*C.* 58 Wendell.
Knowlton, C. H., 1*C.* 65 Putnam Ave.
Knowlton, G. W., 4*C.* Read's 18.
Knowlton, J. G. W., 1*M.* Harv. Med. Sch.*
Knox, J. L., 2*C.* W. H. 51
Knudsen, A. S., 4*C.* H'y 13.
Knudsen, E. A., 2*L.* Wadsworth 9.
KOEHLER, S. R., *Curator of J. W. Randall Collection of Engravings*, 33 Beech Glen St., Roxbury.
Kollmyer, W. H. S., 2*L.* 8 Ellery.
Kreppel, H. E., 1*B.* 15 Burr St., Jamaica Plain.
Kubli, K. K., 2*L.* 61 Oxford.
Kuhn, A., *sC.* M. 11.
LABAW, W. L., *Demonstr.* and *Asst. Surgeon* and *Curator of the Vet. Mus.* 50 Village.*
Lacey, E. N., 3*L.* 32 Mellen.
Lachman, A., 1*G.* 109 Ellery.
Ladd, A. H., 3*C.* 28 Holyoke.
LADD, G. T., *Lectr.* New Haven, Conn.
Ladd, M., 2*M.* 150 Huntington Ave.*
Lake, F. W., 1*M.* Ware 32.
Lakin, C. A., 2*Dn.* S. 30.
Lakin, H. C., 2*L.* S. 30.
LAMAR, W. R., *Asst.* (also 1*G.*), 18 Story.
LAMESLÉE, A. M., *Instr.* Felton 29.
Lamprey, H. U., 1*S.* 14 James.*
Lamson, C. R., 1*C.* Ophir St., Jamaica Plain.
Lamson, F. F., 3*C.* H'ke 35.
Lancaster, W. W., 3*C.* W. H. 31.
Landers, M. J., 4*M.* Lowell.
Lane, G. A., 1*M.* Haverhill.
LANE, G. M., *Prof. Em.* 8 Mercer Circle.
Lane, J. B., 2*C.* C't 19.
Lane, J. W., 1*C.* 59 Richfield St., Dorchester.

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Lane, L. P., 1 *G.* 623 Tremont.*
Lane, W. A., 1 *M.* 65 Chandler.*
Langdell, C. C., *Prof. L.*, 37 Quincy.
Langdon, F. E., 4 *M.* 2 St. James Ave.*
Langdon, S. W. R., 3 *C.* 901 Mass. Ave.
Lange, F. J., 2 *G.* 25 Holyoke.
Langston, C. A., 3 *Dv.* D. 12.
Langton, J. F., 3 *Dv.* 46 Cushing St., Waltham.
Lanman, C. R., *Prof.* 9 Farrar.
Lansing, J. E., 2 *C.* 1034 Mass. Ave.
Lapsley, A. B., 1 *C.* P. 74.
Lapsley, G. T., *Asst.* (also 2 *G.*), 1727 Cambridge.
LaRochelle, J. C. P., 1 *L.* 1504 Washington.*
Larrabee, R. C., 3 *M.* 912 Beacon.*
Latham, B. M., 1 *M.* 171 W. Brookline.*
Lathrop, C. N., 4 *C.* S. 15.
Lathrop, J. G., *Instr.* 13 Avon.
Lavallee, G. O., 4 *M.* Lowell.
Laverack, H. C., 1 *C.* 25 Holyoke.
Lawrence, A. A., 4 *C.* 9 Bow.
Lawrence, F., 1 *C.* Hilton 34.
Lawrence, V. C., 3 *L.* Hotel Gladstone.*
Lawrence, W., *Overseer*, 101 Brattle.
Laws, F. A., 3 *C.* S. 18.
Lawson, C. R., 1 *C.* 273 Huron Ave.
Lawton, J. W., 1 *C.* 57 Brattle.
Lay, H. H., 1 *C.* 65 Hammond.
Lazarus, B., 1 *M.* 86 Waltham.*
Leavitt, G. W., 2 *C.* 5 Warland.
Leavitt, W. M., 1 *C.* F. 1.
LeBosquet, J. E., 4 *C.* H. 14.
Leckie, W. M., 2 *S.* W. H. 54.
LeClear, G., *Asst.* (also 1 *G.*), G. 45.
Lecompte, W. A., 3 *M.* Newton Centre.
Lee, E. B., *sS.* 212 Holland St., Somerville.
Lee, H., *Overseer*, 40 State.*
Lee, J. H., 1 *G.* 10 Dana.
Lee, J. H. S., 4 *C.* 2 Gorham.
Lee, T. J., 2 *Dn.* 10 Parsons St., Brighton.
Leekley, H. A., 4 *C.* P. 41.
Leen, M. E., 1 *C.* 19 Salem St., Charlestown.
Leen, T. F., 2 *C.* T. 23.
Lees, R. O., 3 *M.* 94 Appleton St.*
Leeson, R. A., 1 *C.* 94 Prescott.
Legg, A. T., 2 *C.* M. 15.
Legnard, J. B., 1 *C.* 40 Kirkland.
Leighton, J. A., 2 *G.* Lawrence 14.
Leighton, W. E., 1 *M.* Harv. Med. Sch.*
Leighton, W. L., *sC.* Felton 19.
Leiter, M. M., 1 *L.* 1750 Cambridge.
Leland, LeR. W., *sC.* 37 Highland Ave., Melrose.
Lemann, I. I., 3 *C.* W. 6.
Lentz, O. G., 2 *C.* D. 37.
Leonard, A. E., 1 *Dn.* 869 South St., Roslindale.
Leonard, A. M., 1 *M.* Lawrence.
Leonard, E., 2 *M.* Dover.
Leonard, H. B., 1 *L.* Ware 39.
Leonard, H. C., *sC.* 11 Wendell.
Leonard, H. F., *Instr. M.* 297 Newbury.*
Leonard, J., 4 *C.* H. 11.
Leonard, J. P., *sC.* 343 Harvard.
Leonard, M. C., 2 *S.* 11 Wendell.
Leshner, W., 1 *C.* C. 65.
Leslie, H. G., 2 *M.* Amesbury.
Letterle, J. M., *sC.* Brewer's 9.
Levy, R. L., 1 *L.* 55 Hammond.
Lewis, A., 1 *G.* 42 Mt. Vernon.*
Lewis, A. G., 4 *C.* 1256 Mass. Ave.
Lewis, F. C., 2 *S.* S. 12.
Lewis, F. R., 4 *C.* D. 34.
Lewis, F. T., 3 *C.* 36 Highland Ave.
Lewis, G. N., 4 *C.* T. 37.
Lewis, Harold W., 4 *C.* S. 11.
Lewis, Herschel W., 4 *C.* 16 Prescott St., Somerville.
Lewis, J. H., 1 *G.* Winthrop 16.
Lewis, K. H., 1 *B.* Claverly 44.
Lewis, W. S., 1 *L.* 57 Brattle.
Leypoldt, R. G., *sC.* 6 Irving Pl.
Libbey, J. H., 2 *S.* M. 59.
Libby, A. A., *sS.* M. 15.
Liebmann, C. J., 2 *C.* 20 Prescott.
Lincoln, A., 1 *G.* Ware 53.
Lincoln, G. L., 4 *C.* M. 21.
Lincoln, M., 4 *C.* Read's 18.
Lincoln, S., *Overseer*, 191 Commonwealth Ave.*
Lindenkohl, G. S., 3 *V.* 50 Village.*
Lindh, E. I., 2 *G.* 109 Museum.
Linfield, B. F., 1 *G.* 114 Summer St., Somerville.

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Ling, L. C., 2*C.* 16 Story.
Linville, H. R., *Asst.* (also 2*G.*), C. 5.
Lippincott, G., 4*C.* Ware 18.
Lippincott, W. M., 2*M.* 436 Columbus Ave.*
Lissner, E., 1*C.* M. 28.
Litchfield, E. H., 1*C.* Claverly 51.
Littig, V. L., 1*L.* 48 Wendell.
Little, J. L., 3*C.* 26 Holyoke.
Little, J. M., 2*C.* 1208 Mass. Ave.
Lloyd, D. D., 1*C.* H'ke 49.
Lloyd, H. D., 1*C.* H'ke 49.
Lloyd, W. B., 2*C.* T. 27.
Locke, F. S., *Instr. M.* 38 St. Botolph.*
Locke, W. A., *Organist and Choir-Master,* 7 Francis Ave.
Loewe, L. J., 1*V.* 424 Mass. Ave.*
Logan, E. L., 2*C.* P. 40.
Logan, F. P. T., 2*M.* Harv. Med. Sch.*
Logan, J. D., 2*G.* 56 Plympton.
Logan, R., 3*C.* W. H. 31.
Loines, R. H., 1*L.* 26 Holyoke.
Long, H. C., 2*L.*, 109 Hammond.
Long, P. W., 2*C.* G. 31.
Lonney, A. J., 3*C.* 126 Mt. Auburn.
Looney, W. D., 1*M.* Salem.
Lord, F. T., 3*C.* 96 Prescott.
Lord, J. W., 1*L.* Felton 32.
Lord, W. R., 4*C.* T. 32.
Loring, F. R., 1*G.* 100 Mt. Vernon.*
Loring, R. G., 4*M.* Mass. General Hospital.*
Loring, R. S., *grDv.* D. 11.
Lothrop, T. K., 1*L.* 48 Brattle.
Loud, J. A., 2*C.* W. 45.
Lough, J. E., *Asst.* (also 3*G.*), 5 Linden.
Loughran, J. F., 4*M.* Lowell.
Love, J. L., *Instr.* 27 Wallace.
Lovejoy, A. O., 1*G.* 15 Centre St., Brookline.
Lovejoy, J., 1*C.* H'ke 5.
Lovering, A., 3*C.* 1 Larch.
Lovett, R. W., *Asst. M.* 234 Marlboro.*
Low, H. C., 2*M.* 85 Pembroke.*
Lowell, F. C., *Fellow,* 709 Exchange Bldg.*
Lowell, W. H., *sS.* T. 33.
Lower, H. E., 1*G.* M. 45.
Luard, C. B., 1*B.* 98 Chestnut.*
Lucas, B. E., *s V.* Waltham.
Luce, D. S., 1*C.* C. 65.
Lucht, J., 1*C.* C. 22.
Lunan, W., 2*Dn.* 231 W. Newton.*
Lund, F. B., *Asst. M.* 122 Marlboro.*
Lunt, H. F., 2*C.* T. 27.
Luquer, L., 1*C.* Hilton B.
Lydenberg, H. M., 3*C.* 125 Mt. Auburn.
Lyman, A. T., *Overseer,* 39 Beacon.*
Lyman, C. F., 4*S.* Claverly 45.
Lyman, H., *sS.* 1671 Cambridge.
Lyman, T., 3*C.* Hilton 21.
Lynch, J. F., 3*C.* M. 33.
Lynch, W. H., *sC.* 9 De Wolfe.
Lynde, F. M., 1*Dn.* 137 Pembroke.*
Lyon, D. G., *Prof.* and *Curator of Semitic Mus.* 9 Buckingham.
Lyon, F. D., 4*M.* 429 Wash. St., Dorchester.
Lythgoe, A. M., 2*G.* Warland 15.

Mabley, A. H., 1*G.* 49 Oxford.
McAdams, P. S., 1*M.* 100 Jenny Lind Ave., Somerville.
MacAlarney, R. E., 1*G.* 54 Kirkland.
McAllister, F. D., 2*M.* Lawrence.
McAlpine, M. F., *sC.* T. 5.
McAuslan, J. L., 1*M.* Marlboro.
McBurney, H., 2*C.* 9 Linden.
McCaffrey, C. F., 1*S.* 12½ Fitchburg St., Somerville.
McCall, J. C., *sC.* Ware 1.
McCarthy, E. E., 3*S.* 43 Irving.
McCarthy, F., 1*M.* Malden.
McCarthy, J. J., 1*L.* 61 Marlboro St., Chelsea.
McCarthy, T. F., 4*M.* E. Boston.
McCauley, A. A., 4*M.* 15 Warren Ave.,*
McCauley, A. V. A. B., 2*S.* 3 Sumner.
McChesney, G. H., *sS.* 1270 Mass. Ave.
McClare, C. H., *sS.*
McClaughry, H. H., 3*L.* 1686 Cambridge.
McClintock, J. T., 2*S.* 268 Wash. St., Dorchester.
McClintock, W. E., *Instr.* 15 Court Sq.*
McCollom, J. H., *Asst. M.* 12 Newbury.*
McCormick, T. H., 3*M.* Taunton.

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McCormick, T. J. H., 3*C.* M. 6.
M'Coy, G. M., *sS.* 126 Mt. Auburn.
McCune, E. V., *sC.* 18 Plympton.
McDaniel, A. S., 2*C.* M. 59.
McDaniel, W. B., 3*G.* 69 Dana.
McDaniels, G. N., 1*C.*
58 Mt. Auburn.
McDermott, J. E., 1*M.*
6 Quincy St., Charlestown.
McDermott, W. V., 4*M.*
75 Appleton.*
McDonald, J. A., 2*L.*
116 Main St., Charlestown.
McDonald, L. F., 1*M.* 73 Circuit St.*
McDonald, S. J., 3*C.* M. 6.
McDonald, W. J., 1*M.* 116 Main.*
McDonough, R. E., 2*Dn.*
46 Pinckney.*
McDowell, F. C., 1*G.* 46 Langdon.
MacDonald, R., 3*Dv.*
University Road, Brookline.
MacDonald, W. C., 1*M.*
25 Mulford.*
MacDonnell, J., *grM.*
Harv. Med. Sch.*
McDuffee, W. V., 1*G.* 65 Hammond.
McDuffie, C. H., 1*C.* Ware 52.
McElfresh, W. E., 3*G.* H. 17.
McEvoy, G. A., 2*M.* Lawrence.
McGann, J. H., 1*M.* Natick.
McGillicuddy, C. J., 4*M.*
30 Wendell.*
McGirr, F. F., 1*Dn.* 1522 Cambridge.
McGourty, J. E., 4*M.* 75 Appleton.*
McGrath, J. F., 1*L.* H. 4.
McGrew, C. A., 3*C.* 71 Wallace.
McGurk, W. J., 1*C.* 45 Mt. Auburn.
Mach, E. R. O. von, *Asst.* (also 1*G.*) 18 Bowdoin.
McHenry, W. E., 1*S.*
1727 Cambridge.
McIntire, F. M., *sS.* 1600 Mass. Ave.
McIntyre, W. G. S., 2*C.* G. 34.
McIsaac, J. A., 4*M.* 36 Hammont.*
McJennett, J. F., *sC.* 89 Hammond.
Mack, J. J., *sS.* 44 Brattle.
Mackay, E. H., 2*M.* 24 Worcester.*
MacKaye, P. W., 3*C.* D. 35.
McKean, F. G., 2*L.* P. 86.
McKeen, G. W., 4*M.*
Harv. Med. Sch.*
McKeen, S. F., 4*M.* 6 Leonard Ave.
McKenna, C. H., 1*Dn.*
147 Lauriat Ave., Dorchester.
McKenna, J. C., 2*M.*
96 Washington St., Charlestown.
McKenzie, A., *Secretary of Overseers*, 12 Garden.
McKey, C., *sS.* 1130 Mass. Ave.
Mackie, W. C., 2*M.* 675 Tremont.*
McKibben, W. W., 4*C.* M. 55.
McKillip, P. E., 2*L.* C. 38.
McKinnon, N., 3*Dv.* D. 32.
Mackintosh, H. B., 3*C.*
13 Kirkland Pl.
McKittrick, R., 1*C.* Claverly 26.
McKittrick, W., 4*C.* Claverly 20.
McKnight, E. T., 2*L.* 8 Ellery.
McKnight, W. G., 2*L.* P. 3.
MacKusick, A. R., 1*C.* 99 Norfolk.
McLaren, A. L., 1*M.* 265 Princeton.*
McLaughlin, F. C., *Proctor* (also 1*L.*), Read's 4.
McLean, G. S. R., *sS.*
2218 Mass. Ave.
McMahon, T. R., 2*Dn.*
51 Allston St., Charlestown.
McMann, W. H., 4*C.* 1132 Mass. Ave.
McMeekin, R. J., 3*Dn.*
Boston Art Club.*
McMillan, P. H., 1*L.* Winthrop 30.
McMurtry, C. W., 3*M.*
93 Mt. Vernon.*
McMurtry, G. G., 1*S.* Beck 23.
McNamara, T. F., 1*M.*
So. Framingham.
McNeil, J. L., *sC.* Ware 17.
McNeil, T. P., 1*V.*
291 Highland St., Roxbury.
McNiel, W. W., *sS.* Ware 17.
Macomber, H. P., 1*C.* P. 52.
McPherson, R., 2*C.* M. 46.
McPherson, S. J., *Preacher*, Chicago, Ill.
Macurdy, L. T., 1*C.*
41 Fayette St., Watertown.
MacVane, S. M., *Prof.* 34 Kirkland.
McVey, J. R., 2*C.* G. 34.
McWhinnie, J. E., 3*C.* 29 Williams.
Macy, J. A., 1*C.* 415 Putnam Ave.
Madden, E. A., 2*V.*
4 Patten St., Watertown.
Madden, J. J., 2*M.* 43 Oneida.*
Magrath, G. B., 2*M.* Milton.
Maguire, C. F., 3*M.*
500 Medford St., Somerville.
Mahon, E., 2*C.* 42 Kirkland.
Mahon, J. A., 4*M.* Boston City Hosp.*

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Mahoney, C. J., 2*M.* 24 Worcester.*
Mahoney, F. J., 3*C.* 1810 Mass. Ave.
Mahorner, M., 2*L.* 1699 Cambridge.
Mains, E. C., *sS.* 22 Mt. Auburn.
Mains, C. F., 4*M.* Framingham.
Mallery, W., *sC.* 1697 Cambridge.
MALLORY, F. B., *Instr. M.* Harv. Med. Sch.*
Malone, E. S., 2*C.* 61 Gorham.
Malone, L. J., 2*L.* C. 63.
Maloney, W. V., 2*M.* 25 Cliff.*
Manahan, T. J., 4*S.* 14 Newbury.*
Manix, E. T., 2*M.* Harv. Med. Sch.*
Manley, R. E., 3*C.* 51 Wendell.
Mann, A. T., 4*M.* Chestnut Hill Ave., Brookline.
Mann, C. C., 1*C.* T. 16.
Manning, C. B., 1*S.* H'y 7.
Manning, C. F., 2*C.* 398 Putnam Ave.
MANNING, R. C., *Proctor* (also 4 *G*), Ware 43.
Manning, R. L., 1*L.* H'y 7.
Mansfield, W. R., 2*C.* S. 28.
Mansur, F. W., 3*C.* 20 Ware.
Mansur, L. W., 2*M.* Harv. Med. Sch.*
Marble, A., 1*C.* C't 20.
MARCOU, P. B., *Instr.* 42 Garden.
Marcy, H. O., 3*M.* 180 Commonwealth Ave.*
Marcy, R., 3*C.* Little's 29.
Marden, C. F., 1*C.* H. 1.
Marden, P. S., 1*L.* 9 Wendell.
MARK, E. L., *Prof.* 109 Irving.
Mark, K. L., 2*C.* 109 Irving.
Markle, M. M., 2*L.* H. 3.
Marks, A. M., 2*C.* Ware 28.
Marks, I. E., 3*C.* Ware 28.
MARKS, L. S., *Instr.* 43 Irving.
Marlow, E. W., 4*C.* P. 66.
Marsh, A. M., 2*L.* 6 Mason.
MARSH, A. R., *Asst. Prof.* 49 Langdon.
Marsh, E. D., 3*G.* 165 Huntington Ave.*
Marsh, E. J., 4*C.* M. 16.
Marsh, H. S., 3*C.* 26 Mellen.
Marsh, N. W., 4*C.* 126 Mt. Auburn.
Marsh, R. M., 1*C.* W. H. 39.
Marshall, A. J., 1*C.* 67 Mt. Auburn.
Marshall, F. D., 2*L.* T. 49.
MARSHALL, H. C., *Asst.* (also 2 *G.*), C. 20.
Marshall, J. F., 2*S.* 78 N. Beacon St., Allston.
Marshall, N. B., 1*L.* 77 Mt. Auburn.
Marsten, J. F., 2*C.* 35 Trowbridge.
Marston, E. J., 1*Dn.* 14 James.*
Marston, J. N., 2*M.* Lowell.
Martin, B., 2*L.* 48 Brattle.
Martin, C. A., 3*S.* P. 38.
Martin, G. A., 1*L.* Charlesgate, Beacon St.*
Martin, J. F., 3*Dn.* 39 Malden.*
Martin, J. H. T., 1*L.* M. 20.
Marvin, E. R., 1*C.* W. H. 48.
Marvin, G. D., 1*C.* 436 Broadway.
Marvin, L. P., 2*C.* W. H. 48.
Marx, J. L., 1*C.* 1727 Cambridge.
Maskell, L. J., 4*M.* Newton.
MASON, A. L., *Assoc. Prof. M.* 265 Clarendon.*
MASON, C. F., *Bursar*, Wadsworth House.
Mason, F., 4*C.* T. 55.
Mason, H. C., 2*C.* W. H. 14.
Mason, M. P., 1*C.* Beck 42.
Mason, P. D., 3*C.* 511 Beacon.*
Mason, R. E., *sS.* M. 38.
Massa, R. F., 2*S.* 345 Harvard.
MATHER, M. W., *Instr.* 13 Mt. Auburn.
Mathews, E. R., 4*C.* Manter 1.
Mathews, G. W., 4*C.* W. 18.
Mathews, J. L., 4*C.* C't 24.
Matteson, A. C., 3*L.* 1683 Cambridge.
Matteson, D. M., 2*G.* 1595 Mass. Ave.
Matthews, E. W., 3*Dn.* Harv. Dent. Sch.*
Maulhardt, A. A., 3*M.* Harv. Med. Sch.*
Maulsby, D. L., 1*G.* Tufts College.
May, A. W., 2*V.* 9 Brewer St., Jamaica Plain.
May, S., 4*C.* W. 50.
May, W. R., 2*M.* 7 W. Cedar.*
Mayer, A. G., 4*G.* 11 Francis Ave.
Maynard, E., 2*C.* 5 Linden.
Maynard, L. C., 1*L.* 40 Irving.
Maynard, R. F., 2*C.* 42 Kirkland.
Mayo, W. R., 1*S.* 65 Mt. Auburn.
Mead, B. C., 4*C.* G. 50.
Mead, L. G., 4*C.* H'ke 42.
Meade, A. P., 2*C.* Read's 20.
Meader, H. L., 1*S.* 96 Ellery.
Means, P. C., 2*M.* Harv. Med. Sch.*
Meehan, W. P., 3*L.* Washington St., Jamaica Plain.
Mehlinger, A., 1*C.* 3 Woodville St., Roxbury.

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Mellus, E., 1*M.* 567 Mass. Ave.
Meredith, F. L., 1*L.* 8 Ellery.
Meriam, W., 1*C.* H'ke 3.
Merigold, B. S., 4*C.* G. 25.
Merrell, S. W., 1*C.* 1750 Cambridge.
Merriam, F. H., 2*M.* Harv. Med. Sch.*
Merrick, B. P., 1*C.* T. 43.
Merrifield, J. B., 1*L.* 1691 Mass. Ave.
Merrill, E. W. D., 4*C.* 218 Columbus Ave.*
Merrill, R., 1*C.* 69 Howland St., Roxbury.
Merriman, R. B., 4*C.* W. 42.
Merryweather, A. M., 4*S.* W. H. 57.
Meserve, J. M., 3*C.* 87 Linden St., Allston.
Metcalf, G. P., 2*C.* P. 76.
Metcalf, N. C., 4*C.* 22 Linnaean.
Metzger, B., 3*M.* Lynn.
Meyer, A. R., *sS.* Ivy St., Brookline.
Meyer, H. R., 4*G.* W. 53.
Middleton, L., 4*C.* W. 21.
Millan, A. L., 3*L.* 12 DeWolf.
Millar, M., 3*C.* 1611 Mass. Ave.
Millard, E., 2*C.* Warland 15.
Millard, E. L., 2*C.* H'ke 28.
Millard, H. E., 2*C.* 57 Wadsworth Ave., Waltham.
Millard, W. H., 1*C.* 57 Wadsworth Ave., Waltham.
Miller, F. P., 3*C.* 282 Columbus Ave.*
Miller, H. W., 3*C.* 9 Bow.
Miller, J., 2*M.* 120 Pembroke.*
Miller, P. L., 1*C.* P. 78.
Miller, R. R., *sC.* 16 Oxford.
Miller, R. T., 3*L.* 16 Oxford.
Miller, W. E., 1*S.* 11 Wendell.
Miller, W. J., *Proctor* (also 1*Dv.*), Warland 13.
Millett, F. S., 2*C.* P. 64.
Millikin, L. C., 4*C.* 3 Sumner.
Mills, B. F., *Stenographer*, 55 Ellery.
Mills, C. E., *sC.*
Mills, S. F., 1*S.* 65 Mt. Auburn.
Minot, C. S., *Prof. M.* 688 Boylston.*
Minton, J. M., 3*L.* Orchard Ave., Jamaica Plain.
Mitchell, D. E., 3*C.* 1727 Cambridge.
Mitchell, T. H., 3*Dv.* D. 30
Mitchell, W. B., 1*G.* 44 Sacramento.
Mix, H. C., 4*C.* C. 60.
Mixter, C. W., 3*G.* 10 Dana.
Mixter, S. J., *Instr. M.* 180 Marlboro.*
Moe, A. K., 3*C.* Little's 19.
Monette, J., 3*L.* 409 Broadway.
Mongeon, L. F., 1*Dn.* Blackstone.
Monks, G. H., *Instr. M.* 405 Boylston.*
Monks, L. H., 1*S.* 18 Plympton.
Monroe, C. E., 3*Dn.* Quincy.
Montague, S. S., 3*S.* G. 16.
Montague, W. P., 4*C.* H'ke 46.
Montgomery, H. D., *sC.* W. H. 32.
Montoya, J. M., 3*M.* Harv. Med. Sch.*
Mooney, F. J., 1*C.* C't 11.
Mooney, J. T., 2*Dn.* 11 James.*
Moore, C. H., *Asst. Prof.* and *Curator of Fogg M.* 19 Follen.
Moore, C. K., 3*C.* 35 Wallace.
Moore, F., 2*M.* 13 Concord St., Charlestown.
Moore, F. W., 3*L.* 390 Harvard.
Moore, G. T., 2*G.* 27 Putnam Ave.
Moore, J. H., 3*M.* 552 Columbus Ave.*
Moore, J. S., 2*M.* 24 Yarmouth.*
Moore, P. P., 1*M.* Gloucester.
Moorehouse, G. W., 3*M.* 36 W. Cedar.*
Morgan, C. E., 2*C.* M. 54.
Morgan, J. A., 1*M.* 13 Williams Ave., Hyde Park.
Morgan, M. H., *Asst. Prof.* Hubbard Pk.
Morgan, W. E., 4*M.* Dorchester.
Morgan, W. L., 1*G.* 14 Shepard.
Moriarty, P. W., *Demonstr. Dn.* Fields Corner.*
Morison, R. S., *Librarian of Div. School* and *Sec'y Div. Fac.* 34 Shepard.
Morley, J. E., 2*L.* C't 28.
Morrill, F. N., 3*C.* M. 44.
Morrill, J., 4*C.* T. 15.
Morrill, S., 2*C.* H'ke 9.
Morrill, S. G., 3*M.* 18 Story.
Morris, C. H., 1*C.* 561 E. Eighth St., So. Boston.
Morris, Dave H., 4*C.* 9 Waterhouse.
Morris, Davis H., 2*S.* S. 9.
Morris, E. T., 1*Dn.* 138 Marlboro.*

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Morrison, C. J., 2*L.* H'y 5.
Morrison, F., *sC.* C. 28.
Morrison, R. H., 1*C.* 60 Wendell.
Morse, C. S., *sC.* 102 Bowdoin.*
Morse, E. W., 1*B.* 35 Boynton.*
Morse, F. W., *sS.* 48 Wendell.
Morse, G. A., 3*L.* 16 Oxford.
Morse, G. T., *sC.* Little's 4.
Morse, H. L. F., 1*G.*
126 Mt. Auburn.
Morse, H. R., 2*C.* T. 46.
Morse, J. H., 4*C.* H'y 6.
Morse, R. G., 4*C.* 26 Holyoke.
Morse, R. M., *Overseer*,
57 Equitable Bldg.*
Morse, S. V., 1*C.* M. 2.
Morse, T., 2*C.* Ware 27.
Morse, W., 1*C.* 6 Story.
Morse, W. G., 1*C.* G. 27.
Morton, A. A., 3*S.* C. 70.
Morton, B. A., *sC.* C't 40.
Morton, W. C., *sC.* 1124 Mass. Ave.
Moseley, O. C., 1*L.*
122 Blue Hill Ave., Roxbury.
Moser, A., 1*M.* 22 Mt. Auburn.
Moses, E. M., 2*S.* 41 Wendell.
Moses, W. V., *Instr.* 41 Wendell.
Mosher, H. P., 4*M.*
84 Francis St., Brookline.
Moss, E. A. D., 2*L.*
175 Chandler St., Worcester.
Motley, T., 4*C.* Claverly 46.
Mott, L. W., 4*C.* Hilton 22.
Mott, W. K., 4*C.* H. 19.
Mottley, C. P., 1*L.* 26 Holyoke.
Moulton, C. F., *grM.*
Harv. Med. Sch.*
Moulton, J. B., 1*S.* P. 42.
Moulton, W. B., 2*L.* 34½ Shepard.
Mower, M., *Asst.* 54 Garden.
Mowll, W. L., *sS.* 124 Otis.
Mowry, A. M., *Asst.* (also 3*G.*),
45 Wallace.
Moxom, P. S., *Preacher*, Springfield.
Moyer, A. J., 4*C.* P. 55.
Moyer, J. A., 1*S.* 74 Sacramento.
Mudge, C., 1*Dn.* 15 Pleasant.
Muldoun, W. J., 1*V.*
53 Dennis St., Roxbury.
Mulford, E. D., 3*C.* Quincy 8.
Mulford, R. J., *Proctor*
(also 3*L.*), C't 17.
Mullane, J. W., 1*M.*
Harv. Med. Sch.*
Mullins, E. S., 1*G.* 12 Bow.
Mullqueeney, D. J., 2*L.*
21 Henderson St., Arlington.
Mumford, G. S., 2*S.* 35 Bow.
Munro, J. C., *Asst. M.* 173 Beacon.*
Munro, W., 4*C.* Little's 25.
Munroe, V., 4*C.* H'y 6.
Murdock, L. B., 4*C.* H'y 8.
Murphy, C. E., 1*Dn.* Taplayville
Murphy, D. F., 2*C.* 58 Mt. Auburn.
Murphy, D. S. J., 1*V.* 53 Green.
Murphy, F. J., *sS.* 35 Bow.
Murphy, S. N., 2*M.* Danversport.
Murphy, W. H., 2*V.*
23 Parsons St., Brighton.
Murray, A., 4*C.* 1586 Cambridge.
Murray, W. D., 1*C.* 94 Prescott.
Musgrave, P., 2*M.* 44 Newbury.*
Myer, J. W., *sS.* 10 Oxford Pl.

Nace, J. L., *sC.* 16 Oxford.
Nagle, L. T., 3*V.*
Walnut St., Brookline.
Nakamura, K., 1*G.* 17 Appleton.*
Nannery, W. A., 2*V.*
42 Mt. Vernon St., W. Roxbury.
Nash, W. Gibbs, 3*C.*
232 Elm St., W. Somerville.
Nash, W. Gilbert, *sL.*
14 Auburn St., Brookline.
Naumburg, G. W., 2*C.* C't 16.
Nazro, W. E. C., *sS.* (also *B.*),
W. 38.
Neal, F. G., 4*C.* S. 20.
Neal, H. V., *Proctor* (also 3*G.*),
Shepherd 2.
Neal, J. A., *sC.* 1560 Cambridge.
Neal, J. F., 3*C.* 1689 Cambridge.
Negus, S. P., *sC.* Ware 29.
Neilson, E. B., 1*M.* Harv. Med. Sch.*
Neilson, W. A., 1*G.* 7 Howland.
Nelson, G. A., 1*S.* 14 Oxford.
Nelson, T. S. R., *sS.* 15 Shepard.
Newell, F. S., 4*M.* Mass. Gen. Hosp.*
Newell, G., *sC.* P. 42.
Newell, G. S. T., 2*L.* Winthrop 4.
Newell, W. W., 2*G.* 175 Brattle.
Newgass, G. W., 4*C* W. H. 38.
Newhall, A. E., 1*C.* C't 12.
Newhall, A. H., 2*C.* E. Saugus.

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Newhall, G., 2*C.* S. 22
Newsome, E. T., 3*M.* Roslindale
Newton, E. R., 1*M.*
28 School St., Somerville.
Newton, F. B., 1*L.* 96 Ellery.
Newton, F. M., *sS.* W. H. 40.
NEWTON, G. F., *Instr.*
17 Music Hall Building.*
NICHOLS, A. B., *Instr.* G. 5.
Nichols, H. T., 2*C.* Manter 1.
Nichols, J. T. G., 1*C.* 63 Brattle.
Nichols, M. E., 1*C.* 51 Wallace.
Nichols, N. G., 2*C.* M. 46.
Nichols, P., 1*L.* C't 32.
Nichols, W. S., *sC.* 9 Wendell.
Nicholson, U. H., *sC.* 33 Mill.
Nicholson, W., 2*G.* 33A Mill.
Nickerson, T., 1*C.* W. H. 50.
Nicoll, L. F., 1*C.* Warland 11.
Nightingale, J., 1*M.* 25 Dartmouth.*
Niles, G. C., 2*L.* 301 Beacon.*
Noble, G., 1*C.* Brewer's 3.
Noble, J., 3*C.* W. H. 26.
Nolan, W. F., 1*M.*
49 Chestnut Ave., Jamaica Plain.
Nolte, J. W., 3*V.* 50 Village*.
Noone, E. W., 1*L.* 15 Warren Ave.*
Norton, A. O., 3*S.* C. 26.
NORTON, C. E., *Prof.*
Shady Hill, off Irving.
Norton, C. W., 1*G.* Claverly 52.
Norton, E., *sS.* Claverly 20.
Norton, J. Warner, 1*C.* G. 1.
Norton, J. Watkinson, 1*S.* Hilton 5.
Nourse, F. R., 1*C.* 23 Holyoke.
Nowell, A. M., *sS.* Winchester.
Nowell, J., 1*C.*
68 Church St., Winchester.
Noyes, C. E., 1*G.* 338 Harvard.
Noyes, G. H., 3*C.* W. H. 13.
Noyes, G. R., 2*G.* T. 44.
NOYES, J. A., *Editor of the Quinquennial Catalogue*, 71 Sparks.
Noyes, J. R., 1*L.* D. 28.

Oakes, F. A., 4*M.* 563 Columbus Ave.*
Oakman, O. B., 4*G.*
1 Oakman St., Neponset.
O'Brian, J. L., 4*C.* G. 38.
O'Brien, H. E., 1*C.* W. H. 49.
O'Brien, J. E., 1*L.* 67 Oxford.
O'Brien, L. O., 3*C.* W. H. 49.
O'Brien, T. J., 1*M.*
11 Knapp St., Somerville.
O'Brien, W. J. L., 2*M.*
726 E. Third St., So. Boston.
O'Connell, J. F., 3*L.*
13 Bowdoin St., Dorchester.
O'Connor, C. J., 1*L.* 1697 Cambridge.
O'Connor, J. H., 4*M.* No. Chelmsford.
O'Connor, W. M., 1*S.* W. 4.
Odde, J. A. L., 2*C.* 16 Lake.
Odiorne, W. B., 1*M.* 287 Harvard.
O'Donnell, G. T., 2*M.*
Harv. Med. Sch.*
OENSLAGER, G., *Asst.* (also 2*G.*), T. 24.
Ogden, H. W., 3*L.* 55 Trowbridge.
OGDEN, J. B., *Asst. M.*
Harv. Med. Sch.*
OLDHAM, A. J., *Instr. Dn.*
2 Commonwealth Ave.*
Olds, R. E., 3*C.* D. 23.
O'Leary, J. A., *grM.*
Harv. Med. Sch.*
Oliver, E. L., 1*C.* W. H. 21.
Oliver, M. W., 1*C.* 22 Mt. Auburn.
Olmsted, J. M., *grDv.* Avon.
Olney, G. H., 1*L.* Little's 16.
O'Malley, W. J., 1*L.*
9 Fremont Ave.*
O'Neil, R. F., 3*M.*
Mass. Gen. Hosp*.
Oppenheimer, B. S., 3*C.* 105 Irving.
Orr, W. W., 4*C.* W. 18.
Osborn, J. F., 4*C.* W. 49.
Osborn, J. H., *sV.* 50 Village.*
Osborn, W. J., 1*C.* 17 Lee.
Osborne, F. W., 1*C.*
5 Herbert St., Lynn.
Osborne, R. W., *sC.* C. 50.
Osborne, W. H., 3*C.* W. 27.
OSGOOD, F. H., *Prof.* and *Acting Dean of Vet. Sch.* 50 Village.*
Osgood, R. B., 1*M.* Salem.
OSGOOD, W. F., *Asst. Prof.* 14 Centre.
O'Shea, D. J., 1*M.*
49 Chelsea St., E. Boston.
O'Shea, J. F., 1*M.* Newport, R. I.
O'Sullivan, J. J., 4*M.*
233 W. Canton St.*
Otis, S., *sC.* 51 Trowbridge.
Otis, W. I., *sC.* 1208 Mass. Ave.
Otis, W. K., 2*C.* M. 1.
Ottis, F. J., 3*L.* D. 16.
Outerbridge, F., 4*S.* W. H. 25.
Outerbridge, S. R., 3*S.* W. H. 25.
Owen, J. M., 2*Dn.* 109 Chandler.*

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Ozanne, C. E., 2*G.* 11 Wendell.

Packard, F. H., 2*C.*
25 Warren Ave., Somerville.
Packard, H. S., 2*C.* G. 52.
Packard, S. T., 1*L.* Little's 16.
Page, E. S., 2*L.* P. 30.
Page, F. R., 4*C.* C. 40.
Page, G. T., 4*M.* 113 Inman.
Page, L. W., *sS.* 21 Ellery.
Paine, C. E., *sC.*
62 Gilman St., E. Somerville.
Paine, C. J., 3*C.* Little's 11.
Paine, G. L., 4*C.* Little's 24.
PAINE, J. K., *Prof.* 23 Hawthorn.
Paine, R., 3*C.* 32 Mellen.
PALACHE, C., *Asst. Univ. Mus.*
Palfrey, F. W., 2*C.* G. 22.
Palfrey, J. G., 4*C.* M. 53.
Palmer, H., 1*C.* Claverly 19.
Palmer, I. O., 1*G.*
17 Buffum St., Salem.
Palmer, P., 2*C.* Claverly 19.
Palmeter, G. F., 4*S.* T. 36.
Pappenheimer, A. M., 1*C.*
371 Harvard.
Park, L., 2*C.* 24 Holyoke.
Parke, R. T., 2*C.* P. 2.
Parker, Arthur H., 4*M.* Everett.
Parker, Augustin H., 3*C.* 9 Bow.
Parker, C. A., 1*C.* C. 45.
Parker, C. H., 4*C.* Hilton 27.
PARKER, C. P., *Instr.* 60 Shepard.
Parker, Edward G., 2*M.* Auburndale.
Parker, Edwin G., 3*G.* 11 Cleveland.
Parker, F. E., 4*C.*
Osborne Road, Brookline.
PARKER, G. H., *Instr.* 6 Avon Pl.
Parker, H. C., *sS.* Felton 34.
Parker, H. E., 3*L.* 55 Hammond.
PARKER, H. G., *Asst.* (also 2*G.*),
260 Green.
Parker, J. P., 4*C.* Ware 54.
Parker, M. W., 2*M.* 2A Park.*
Parker, U. S., *sC.* 11 Wendell.
Parker, W. A., 4*C.* 1 Mercer Circle.
Parker, W. B., 3*C.* C. 67.
Parker, W. M., 1*Dn.*
212 Boylston St., Jamaica Plain.
Parker, W. P., 2*G.* 37 Gorham.
Parker, W. S., 1*S.* Ware 54.
Parkhurst, C. E., 2*Dn.*
79 Walnut St., Somerville.
Parkhurst, L. H., 2*C.* 45 Dana.
Parmelee, H. F., 2*L.* Winthrop 21.
Parmenter, F. S., 1*L.* 58 Hammond.
Parrott, A. F., 2*C.* 6 Trowbridge.
Parry, G. G., 2*L.* G. 49.
PARSONS, H. S., *Instr. Dn.* 3 Park.*
Parsons, I. H., *sC.* 29 Mt. Pleasant.
Parsons, L. H., 1*C.* 8 Prescott.
Parsons, P. F., 2*C.*
18 Crescent St., Somerville.
Partridge, C. L., 1*G.* 19 Irving.
Partridge, W., 3*S.* H'ke 39.
Paschal, S. S., 1*S.* Shepherd 16.
Pastorius, H. E., 1*C.* W. 14.
Patten, S. K., 3*M.* 70 Dale.*
Patterson, G. L., 1*Dv.* D. 10.
Patterson, H. S., 2*C.* S. 24.
PAUL, J. T., *Demonstr. Dn.*
157 Newbury.*
Paul, L. G., 2*M.* Newton Centre.
Payson, C. C., 2*C.* Hilton 32.
Peabody, C. W., 3*L.* 11 Sumner.
PEABODY, F. G., *Prof.* 13 Kirkland.
Peabody, J. E., 1*G.* 12 Kirkland Pl.
PEABODY, R. S., *Overseer*,
919 Exchange Building.*
Peabody, W. R., 1*L.* 13 Kirkland.
Peacock, W. J., 3*L.* 1683 Cambridge.
Pearse, L., 1*C.* P. 83.
Pearson, G. B., 2*M.* Harv. Med. Sch.*
Peck, John H., 1*L.* 58 Hammond.
Peck, Josiah H., 1*L.* 26 Garden.
Peck, J. W., 4*C.* H. 3.
Pegram, J. C., 3*M.*
Mass. Gen. Hosp.*
PEIRCE, B. O., *Prof.* 51 Oxford.
Peirce, F. J., 2*M.* Atlantic.
Peirce, G. A., 2*M.*
199 Roxbury St,, Roxbury.
PEIRCE, J. M., *Prof.* and *Dean of Faculty of Arts* and *Sciences*,
4 Kirkland Pl.
Peirce, L. L., 1*V.* Arlington H'g'ts.
Pelton, DeW. L., *grDv.* 84 Wendell.
Pence, J. H., *sC.* G. 21.
Penington, R., 1*L.* 41 Wendell.
Penrose, J. J., 1*L.* 54 Kirkland.
Perault, M. J., 1*M.* Fitchburg.
Percival, A. W., 3*S.* P. 4.
Percival, F. C., 1*L.* 20 Dartmouth Pl.*
PERKINS, C. E., *Instr. Dn.* Brockton.
Perkins, F. C., 2*L.* Winthrop 30.
Perkins, H. C., 1*M.* Lowell.
Perkins, H. E., 1*L.* 1673 Cambridge.

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Perkins, R., 1 *C.* Beck 35.
Perley, R. D., 3 *M.* 72 Rutland.*
Perrine, C., 1 *G.* 52 Walden.
Perry, A. R., 4 *M.* 146 Chandler.*
Perry, C. H., 2 *V.* Worcester.
Perry, D. T., 3 *C.* P. 23.
Perry, E., 2 *M.* 60 Temple.*
Perry, E. B., *sC.* D. H. 4.
Perry, E. E., 1 *C.* 405 Columbus Ave.*
Perry, H. F., 1 *G.* 61 Oak.
Perry, H. J., 4 *M.* Harv. Med. Sch.*
Perry, W. B., 2 *L.* 10 Mellen.
Peters, A. J., 1 *L.* W. H. 47.
Peterson, E., 2 *V.*
305 Chestnut Ave., Jamaica Plain.
Peterson, S., 1 *C.*
305 Chestnut Ave., Jamaica Plain.
Pettee, J. H., 3 *M.*
136 Warren St., Roxbury.
Pettijohn, G., 2 *C.* M. 10.
Pew, J. A., 2 *L.* T. 31.
Pfaff, F., *Instr. M.*
153 Huntington Ave.*
Phair, P. D., 2 *G.* 1301 Cambridge.
Phelan, M. F., 3 *C.* H'ke 14.
Phelps, D. F., 1 *L.* M. 18.
Phelps, J. W., 4 *C.* C. 16.
Phelps, W. H., 2 *S.* M. 18.
Philbrick, H. P., 2 *C.* 38 Putnam Ave.
Phillips, E. F., 2 *C.* W. 24.
Phillips, H. A., 3 *C.* 28 Holyoke.
Phillips, J. C., 1 *S.* 28 Holyoke.
Phillips, J. D., 3 *C.* W. 26.
Phillips, S. W., 1 *L.* W. 26.
Phillips, W. E., 1 *Dn.*
Mt. Auburn St., Watertown.
Pickard, G. W., *sS.* 16 Oxford.
Pickard, I. L., 4 *M.* Harv. Med. Sch.*
Pickering, E. C., *Prof.* and *Director of O.* Observatory.
Pickering, H. E., 3 *C.* H'ke 35.
Pickering, W. H., *Asst. Prof.* Observatory.
Pickhardt, E. W. S., 2 *C.* Hilton 35.
Pierce, C. W., 1 *M.* Ashland.
Pierce, G. B., 2 *M.* 85 Mt. Vernon.
Pierce, H. C., 1 *S.* W. H. 10.
Pierce, M. E., 1 *L.* Watertown.
Pierce, S. M., 2 *C.* 43 Dana.
Pierce, W., 1 *C.* C't 21.
Pierpont, G. W., 1 *S.* C't 31.
Pierpont, L., 4 *S.* C't 31.
Pierson, R., 2 *C.* G. 15.
Pike, C. B., 3 *L.* Beck 47.
Pike, F. F., 2 *M.*
8 Rockland Pl., Roxbury.
Pilling, A. T., 2 *C.* P. 11.
Pillsbury, B. H., 1 *M.* 65 Chandler.*
Pillsbury, F. A., 2 *M.* 15 S. Russell.*
Pillsbury, S. H., 2 *L.* 18 Shepard.
Pinkerton, W. B., *grDv.* 20 Gray.
Pinkham, E. W., 2 *M.*
547 Mass. Ave.*
Pirce, J. A., 2 *L.* 14 Trowbridge Pl.
Pistole, W. B., 1 *L.* 439 Main.
Pitcher, A. L., 1 *G.* 1680 Cambridge.
Pitman, E. F., 2 *C.* P. 15.
Pitts, S. L., 3 *C.* W. 19.
Playdon, C. H., 3 *V.* Andover.
Player, P., 2 *C.* Ware 25.
Pleadwell, F. L., 4 *M.* 34 Berwick Pk.
Plum, H. C., 3 *C.* P. 58.
Plumb, F. R., 1 *C.* H'ke 5.
Poland, G. M., 1 *C.* F. 6.
Poland, W. N., 3 *C.* 52 Mt. Auburn.
Poll, M., *Instr.* 44 Shepard.
Pollak, F. D., 4 *C.* C. 64.
Pond, C. H., 1 *C.* P. 62.
Poor, E. W., 1 *C.* S. 31.
Poore, C. P., 1 *C.* 7 Sumner.
Pope, A. W., *Clerk in Treasurer's Office,* 50 State.*
Pope, E. F., 1 *M.* Hudson.
Pope, H., 1 *L.* 54 Garden.
Popper, A. W., *sC.* W. 8.
Porter, C. A., *Asst. M.* 24 Marlboro.*
Porter, C. B., *Prof. M.*
5 Arlington.*
Porter, F. S., 2 *L.* Winthrop 4.
Porter, H. W., 4 *C.* W. 43.
Porter, J. F., 1 *G.* 12 Kirkland Pl.
Porter, M. B., 2 *G.* D. 17.
Porter, R. B., 3 *C.* H. 13.
Porter, R. C., 1 *L.* 1699 Cambridge.
Porter, W. H., 2 *C.* 13 Wendell.
Porter, W. T., *Asst. Prof. M.* 295 Beacon.*
Post, A., *Instr. M.* 16 Newbury.*
Post, A. T., 1 *L.* 1 Trinity Pl.*
Pote, L. H., 1 *M.*
23 Howe St., Somerville.
Poth, C. A., 2 *L.* T. 5.
Potter, A., 1 *L.* Hotel Berkeley.*
Potter, A. C., *Asst. in Coll. Library,* Kennedy Ave.

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Potter, A. C., 1*M.*
82 Commonwealth Ave.*
Potter, G. S., 1*G.* 16 Prescott.
Potter, W. H., *Lect. Dn.*
16 Arlington.*
Potts, J., 3*C.* 12 Sumner.
Powell, B. E., 4*C.* 20 Gray.
Powell, O. L., *sC.* G. 46.
Powell, W. M., 1*L.* Claverly 25.
Powers, E. D., 2*C.* M. 60.
Powers, T. W., 1*L.* 12 Oxford.
Prall, R. T., *sS.* 40 Kirkland.
Prather, J. M., 3*G.* 324 Green.
Pratt, E. B., 3*C.* 3 Sumner.
Pratt, F. H., 4*C.* T. 2.
Prentiss, J. W., 2*C.* Ware 41.
Prescott, C. F., 3*C.* H'y 23.
Prescott, F. C., *Asst.* (also 1*G*), Little's 7.
Prescott, H. D., 2*C.* W. 35.
Prescott, H. W., 1*G.* 71 Appleton.*
Prescott, W. H., *Asst. M.*
285 Marlboro.*
Preston, L. B., 1*C.* Hilton 25.
Prevâux, J. J., 1*M.* Amesbury.
Priest, H. B., 3*C.* H. 21.
Prince, M., *Instr. M.* 458 Beacon.*
Pritchard, W. P., 1*M.* Fall River.
Proctor, C. A., 2*L.* 369 Marlboro.*
Proctor, F. I., *Instr. V.* 259 Beacon.*
Proctor, J. R., 2*S.* S. 27.
Proctor, M. F., *sC.* 1716 Cambridge.
Prouty, G. S., 2*C.* M. 49.
Provandie, P. H., 2*M.*
Melrose Highlands.
Pruyn, E. L., *sS.* W. H. 4.
Pugh, J. T., 1*G.* 1697 Cambridge.
Purington, F. H., 1*S.*
14 Cumberland.*
Putnam, F. W., *Prof.* and *Curator of Peabody Mus.*, 400 Broadway.
Putnam, G. R., 2*C.* M. 15.
Putnam, J. J., *Prof. M.*
106 Marlboro.*
Putnam, W. E., 4*C.* W. H. 59.
Quigley, W. A., 3*L.* 34 Mellen.
Quinby, W. C., 1*C.* W. 22.
Quincy, H. P., *Instr. M.* Dedham.
Quinn, C. S., *sC.* Belmont.

Rabador, E. M., 1*C.* 6 Story.
Radcliffe, W. H., 2*S.* P. 4.
Rafferty, J. H., 2*Dn.* Somerville.
Rainbolt, W. M., *sS.* C. 67.
Ramsay, R. E., 1*C.* 60 Plympton.
Rand, B., *Asst.* 44 Garden.
Rand, W. H., 2*C.* M. 8.
Randall, A. T., *grM.*
Hotel Dunbar, Roxbury.
Randall, P. G., 1*C.* 29 Holyoke.
Ranlet, R., 3*C.* 1270 Mass. Ave.
Ransom, F. H., 4*C.* Buckingham Pl.
Rantoul, E. L., 3*C.* 78 Mt. Auburn.
Rathbun, F. H., 4*C.* H'y 24.
Ratliff, R., 1*L.* Felton 1.
Raudenbush, H. W., 4*S.*
42 Kirkland.
Rawle, F., *Overseer*,
328 Chestnut St., Philadelphia, Pa.
Rawle, F. W., 1*L.* 18 Mason.
Rawson, C. T., 3*C.* 118 Myrtle.*
Ray, F. N., 1*Dn.* Bradford.
Ray, R. B., 1*M.* Swampscott.
Raymond, C. S., 4*C.* P. 55.
Raymond, R. L., 1*L.* 959 Mass. Ave.
Raymond, W. L., 1*C.* 28 Holyoke.
Raynolds, H. F., 3*C.* 40 Kirkland.
Rea, E. M., 1*L.* 10 Appian Way.
Read, J. B., 1*L.* 55 Appleton.
Read, L. C., 2*C.* H'ke 24.
Read, W., 2*S.* M. 43.
Reade, C. M., *Proctor* (also 3*L.*), F. 2.
Reagh, A. L., 1*M.*
Maple St., W. Roxbury.
Reardon, E. E., 2*L.* H. 8.
Redpath, L. W., 2*C.* W. H. 51.
Reed, A. Z., 3*C.* Wadsworth 5.
Reed, E. A., 2*S.* P. 10.
Reed, E. T., 4*C.* 39 Hurlbut.
Reed, F. W., 2*C.* W. 15.
Reed, G. H., 1*C.* H'ke 42.
Reed, H. A., 2*C.* P. 58.
Reed, V. A., 3*M.*
55 Beech Glen St., Roxbury.
Reed, W. H., 2*C.*
81 Walnut Ave., Roxbury.
Rees, R. I., *sC.* 39 Irving.
Regan, C. F., 2*C.* 174½ Spring.
Reilly, J. A., 1*M.*
10 Washburn St., So. Boston.
Remick, E. W., 1*C.* H'ke 1.
Remington, S. P., 1*G.* Winthrop 27.
Reuterswärd, O. P. H., 2*Dn.*
419 Mass. Ave.*
Reynolds, A. W., 2*C.* 126 Green.
Reynolds, E., *Instr. M.*
130 Marlboro.*

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Reynolds, G.E.,3*C.* 1689 Cambridge.
Reynolds, J. A., *sC.* 40 Kirkland.
Reynolds, L. R., 1*S.* W. H. 60.
Rice, A. H., 2*C.* 30 Holyoke.
Rice, A. W., *sS.* 18 Plympton.
Rice, C. Y., 3*G.* 345 Harvard.
Rice, E. E., 3*C.* 27 Maple Ave.
Rice, G. S., *Instr.* 95 Milk.*
Rice, G. T., 1*S.* Claverly 34.
Rice, J. C., 2*C.* 30 Holyoke.
Rice, J. W., *grDv.* D. 41.
Rice, O. R., 2*S.* C. 9.
Rich, E. W., 3*S.* W. 3.
Rich, H. T., 4*C.* C. 41.
Rich, Walter S., *sS.* D. 22.
Rich, Winfield S., 4*S.* 44 Brendon.
Richards, F. H., 1*L.* 129 Newbury.*
Richards, H. H., 2*C.* P. 79.
Richards, J. B., 2*S.* 7 Sumner.
Richards, M. P., 2*L.* 8 Ellery.
Richards, O. F., 1*S.* Claverly 29.
Richards, T. W., *Asst. Prof.* W. H. 52.
Richardson, C. F. P., 3*C.* 102 Mt. Auburn.
Richardson, F. A., 4*S.* 17 Ware.
Richardson, F. L. W., 1*C.* 78 Mt. Auburn.
Richardson, M. H., *Asst. Prof. M.* 224 Beacon.*
Richardson, O., 2*M.* 92 Charles.*
Richardson, O. W., 1*C.* H'ke 16.
Richardson, P., 4*C.* Shepherd 17.
Richardson, W. H., *sC.* Wright St., Stoneham.
Richardson, W. L., *Prof.* and *Dean of Med. Fac.* 225 Commonwealth Ave.*
Richmond, H. I., 2*G.* D. 30.
Richmond, S., 3*M.* Chelsea.
Ricketson, J. H., 3*C.* 9 Bow.
Riddle, W. H., 1*G.* P. 57.
Rideout, H.L.,2*M.* 15 Rockville Pk.*
Rideout, H. M., 1*C.* 15½ Shepard.
Riggs, A. F., 2*C.* Ware 7.
Riggs, N. C., 1*G.* 109 Hammond.
Riker, J. L., 4*C.* H'ke 21.
Ring, H. C., 2*S.* M. 36.
Ritchie, A. J., *sC.* 359 Somerville Ave., Somerville.
Robbins, C., 1*C.* 114 Marlboro.*
Robbins, R. L., 3*C.* P. 45.
Robbins, T. H., 1*C.* 114 Marlboro.*
Robbins, W. B., 1*C.* W. H. 17.
Roberts, G. N., 3*C.* 20 Craigie.
Roberts, H. H., 2*C.* 67 Oxford.
Roberts, H. S., 3*C.* 46 Brattle.
Roberts, W. F., 2*C.* 12 Brookford St., Roxbury.
Roberts, W. W., 3*C.* C. 11.
Robertson, C. T., 2*C.* P. 21.
Robinson,A.T., 4*C.* 1746 Cambridge.
Robinson, B. L., *Curator of Herbarium,* 38 Arlington.
Robinson, B. R., 2*C.* Little's 14.
Robinson, D. L., 1*C.* 58 Hammond.
Robinson, E. W., 2*C.* 4 Arrow.
Robinson, F. D., 1*S.* 9 DeWolfe.
Robinson, H. E., 4*C.* M. 48.
Robinson, H. F., 2*C.* Little's 14.
Robinson, H. P., *sS.* Hotel Vernon.
Robinson, J. W., 1*V.* Natick.
Robinson, L.S.B.,3*C.*467 Broadway.
Robinson, M., 1*C.* Read's 30.
Robinson, P. O., *sS.* 3 Clinton.
Robinson, S., 2*C.* H'y 10.
Robinson, T. H., 1*L.* 10 Mellen.
Robinson, W., *Instr.* Hubbard Pk.
Roché, E. C., 2*L.* T. 44.
Roche, J. T., 1*S.* Felton 23.
Rockwell, J. C., 1*G.* 61 Oxford.
Rodger, J. D., 2*S.* T. 57.
Rodman, A., 3*C.* Read's 2.
Roess, L. J., 1*L.* S. 1.
Rogers, D. P., 4*C.* Ware 6.
Rogers, E. H., 3*L.* 53 Norfolk.
Rogers, G., 3*C.* 140 Highland St., Roxbury.
Rogers, H. H., 3*C.* 3 Sumner.
Rogers, J. F., *sS.* C. 30.
Rogers, JohnM., 1*S.* 18 AppianWay.
Rogers, Joseph M., 1*C.* 21 Linwood St., Roxbury.
Rogers, W. B., 4*C.* Claverly 46.
Rogers, W. J., 1*Dn.* 6 Robinwood Ave., Jamaica Plain.
Rood, L. C., 1*M.* 176 Lexington St., E. Boston.
Rood, S. H., 1*G.* 48 Seaverns Ave., Jamaica Plain.
Roosevelt, T., *Overseer,* Police Headquarters, New York, N. Y.
Root, F. D., 1*S.* S. 13.
Root, F. S., *grDv.* 379 Harvard.
Roper, W. C., 1*C.* 438 Green.
Ropes, J. H., *Instr.* D. 29.
Rorer, J. B., 1*C.* G. 48.
Rose, A., 1*G.* H. 10.

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Rose, P. la, *Asst.* H'ke 48.
Rose, W. H., 2*M.* Harv. Med. Sch.*
Ross, C. A., 4*C.* C. 6.
Ross, H. A., 4*C.* H'ke 46.
Ross, H. F., 2*C.* Ware 3.
Ross, L. H., 2*M.* Harv. Med. Sch.*
Ross, R. E., 1*L.* 65 Hammond.
Ross, T. K., 3*Dn.* Everett.
Ross, W., *sS.* Felton 12.
Rotch, A. L., *Asst.*
Blue Hill Observatory, Readville.
Rotch, T. M., *Prof. M.*
197 Commonwealth Ave.*
Rothfuchs, C. C., 3*M.*
253 Shawmut Ave.*
Rothwell, T. H., 3*L.* 61 Oxford.
Rounds, A. W., 2*M.* Providence, R.I.
Rousmaniere, J. E., 1*C.* M. 14.
Rowe, H. S., 3*C.* 10 Oxford.
Rowell, F. B., 3*C.* W. 34.
Royce, J., *Prof.* 103 Irving.
Ruggles, C. A., 1*C.* F. 4.
Ruhl, A. B., *sC.* 371 Harvard.
Rumford, C. P. M., 3*C.*
68 Mt. Auburn.
Rumrill, C. C., 3*C.* Beck 34.
Rumsey, W. L., 3*C.* G. 14.
Russell, C. G., 1*G.* 5 Irvington.*
Russell, F., 1*G.* 101 Inman.
Russell, F. A., 1*C.* C't 35.
Russell, J. S., 1*L.* Ware 39.
Russell, T. H., 4*C.* 3 St. James Ave.*
Russell, W. A., 4*C.* Ware 6.
Rust, F. L. D., 3*M.* 5 Scott.
Rust, P. D., 2*C.* Claverly 31.
Ryan, J. M., 3*L.* 5 Felton.
Ryan, M. H., 1*S.* Felton 24.
Ryder, A. W., 3*C.* C. 4.
Ryder, C. E., 2*M.* Harv. Med. Sch.*
Ryder, G. H., 1*M.* Hartford, Conn.
Ryerson, E. W., 3*M.* 44 W. Cedar.*

Sabine, W. C., *Asst. Prof.*
40 Shepard.
Safford, F. H., *Instr.* (also 3*G.*),
80 Wendell.
Safford, H. E., 3*C.* 2 Gorham.
St. Clair, H., *sS.* 4 Brimmer.*
Sakai, B. T., 1*G.* Lawrence 12.
Saldaña, E. E., 3*S.* P. 19.
Saldaña, M. A., 4*S.* P. 19.
Salmon, H. W., 4*C.* T. 6.
Saltonstall, E. P., 2*L.* Chestnut Hill.
Sampson, H., 1*C.* Claverly 24.
Sampson, H. D., 1*B.* Bussey Inst.
Sanborn, E. L., 2*C.* H'ke 6.
Sanborn, F. G., 1*M.*
77 Bushnell St., Ashmont.
Sanborn, J. F., 1*S.* 94 Hancock.
Sanborn, J. W., 4*M.*
35 Elmore St., Roxbury.
Sanborn, S. S., 2*L.* Winthrop 22.
Sand, H. A. L., 1*L.* W. 37.
Sanders, A. L., 2*C.* Manter 4.
Sanders, C. E., 3*L.* 43 Irving.
Sanders, H. P., *sS.* 19 Irving.
Sanders, W. H., *sS.* 1208 Mass. Ave.
Sandford, E., 2*L.* Winthrop 3.
Sands, E. P., 2*M.* 91 Worcester.*
Sanford, H. L., 4*C.* 52 Mt. Auburn.
Santayana, G., *Instr.* S. 7.
Sargeant, C., 1*C.* 43 Irving.
Sargent, C. S., *Prof.* and *Director of Arnold Arbor.* Jamaica Plain.
Sargent, D. A., *Director of Hemenway Gymnasium*, 27 Everett.
Sargent, F. M., 1*G.* 157 Mt. Auburn.
Sargent, G. M., 1*C.* H'y 18.
Sargent, J., 1*L.* H'y 18.
Sargent, P. E., 4*C.* M. 49.
Satterlee, H. S., 4*C.* Beck 6.
Saunders, J. H., 1*M.* Everett.
Savage, E. L., 2*L.* 1734 Cambridge.
Savage, G. A., 1*Dn.*
518 Main St., Worcester.
Savage, M. S., 1*C.* 8 Holyoke.
Savage, P. H., *Asst.* (also 1*G.*),
G. 43.
Saville, H., 3*L.* 57 Shepard.
Sawin, F. D., 1*L.* 13 Kirkland Pl.
Sawyer, E. K., 2*M.*
32 Main St., Somerville.
Sawyer, G. L., 1*S.* M. 48.
Sawyer, J. C., *sS.* Winthrop 29.
Sawyer, J. P., 1*S.* S. 28.
Sawyer, P. B., 2*C.* T. 12.
Sawyer, W. M., 1*L.* 12 Kirkland Pl.
Sayre, A. M., *sC.* 61 Oxford.
Sayre, H., 1*C.* 48 Brattle.
Sayward, W. H., 2*M.*
69 Monadnock St., Dorchester.
Scaife, R. L., 3*C.* Little's 9.
Scannell, D. D., 3*C.* H. 26.
Schaffner, A. B., 1*L.* 42 Kirkland.
Schaper, A. L. T., *Demonstr. M.*,
38 Boylston.*
Schereschewsky, J. W., 1*M.*
157 Worcester.*

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SCHILLING, H. K., *Asst. Prof.* 4 Langdon.
Schlesinger, B. E., 1*C.* 26 Holyoke.
Schmidt, F. S., 1*M.* 10 Creighton St., Roxbury.
Schmidt, O. F., 1*L.* Felton 26.
SCHRADER, F. C., *Asst.* (also 1*G.*), C. 17.
Schurz, H., 3*C.* W. H. 11.
Schwab, S. I., 4*M.* 38 St. Botolph.*
Schwarzenberg, E. M., 93 Warren St., Boston Highlands.
Scott, A., 3*C.* H'y 9.
Scott, A. H., 1*S.* 48 Wendell.
Scott, G. C., 4*C.* 8 Holyoke.
Scott, G. D., 4*C.* 1709 Cambridge.
Scott, H. D., 2*C.* Claverly 35.
Scott, H. R., 3*C.* P. 49.
Scott, W., 2*S.* D. 9.
SCUDDER, C. L., *Asst. M.* 1 Marlboro.*
Scudder, G. H., 4*M.* Mass. Gen. Hosp.*
Scudder, W. M., 1*C.* Little's 8.
Scull, G. H., 1*C.* Claverly 14.
Scull, M. L., 1*L.* 60 Brattle.
SEAMAN, C. E., *Asst.* (also 1*G.*), 1588 Cambridge.
SEARLE, A., *Prof.* 41 Concord Ave.
Sears, E. H., 1*C.* 25 Holyoke.
SEARS, G. G., *Asst. M.* 17 Marlboro.*
Sears, H. E., 4*M.* 115 Dartmouth.*
Sears, H. F., 2*C.* G. 52.
Sears, L. P., 2*C.* 16 Avon.
Sears, S. F., 4*C.* P. 32.
Sears, S. T., 1*L.* 6 Story.
Seasongood, C., 2*L.* M. 17.
Seasongood, E. A., 1*C.* M. 17.
SEAVER, E. P., *Overseer*, Waban.
Seaver, O. S., *sS.* C't 10.
Seelig, M. G., 4*C.* W. 6.
Seelye, W. C., 1*M.* 83 Appleton.*
Segerblom, W., 3*C.* 23 Emerson St., Wakefield.
Selfridge, H., 2*S.* W. 47.
Seller, W. E. W., 4*C.* 89 Hammond.
Sellers, S. C., 3*C.* Felton 36.
Sewall, W. G., *sC.* 60 Commonwealth Ave.
SEYMOUR, A. B., *Asst.* U. M.
Seymour, W. I., 1*L.* 55 Hammond.
Shackford, S. B., 2*L.* 1102 Mass Ave.
SHALER, N. S., *Prof.* and *Dean of L. S. S.* 25 Quincy.
Shanahan, T. J., 4*M.* 233 W. Canton.*
Shannon, J. H., 3*C.* 71 Hammond.
Sharkey, J. E., *sC.* 125 Elm.
Sharts, J. W., 3*C.* 125 Mt. Auburn.
SHATTUCK, F. C., *Prof. M.* 135 Marlboro.*
SHATTUCK, G. B., *Overseer*, 183 Beacon.*
SHATTUCK, G. O., *Overseer*, 166 Beacon.*
Shaughnessy, D. B., *sC.* 276 Cambridge.
Shaughnessy, W. M., 2 *V.* Marlboro.
Shaw, E. P., 2*C.* F. 3.
Shaw, F., 1*M.* New Bedford.
Shaw, F. C., 1*C.* 74 Sacramento.
Shaw, F. G., 3*C.* Little's 15.
SHAW, H. B., *Asst.* (also 3*G.*), P. 47.
Shaw, H. H., 1*C.* 7 Linden.
Shaw, H. M., *sS.* Felton 9.
Shaw, J. E. N., 2*C.* S. 4.
Shaw, P. L., 3*C.* 22 Holyoke.
Shaw, R. G., 1*C.* 5 Linden.
Shaw, S. P., 1*C.* 8 Prescott.
Shea, D. J. J., 2*C.* H. 4.
Shea, J. J., 3*M.* Castle Hill, Salem.
Shedd, W. H., 4*C.* T. 61.
Sheffield, A. D., 4*C.* 345 Harvard.
SHELDON, A. J., *Instr. V.* 50 Village.*
SHELDON, E. S., *Prof.* 27 Hurlbut.
Sheldon, W. H., 1*G.* W. 39.
Shepard, E. F., *sC.* 9 Waterhouse.
Shepard, E. O., 2*C.* H'ke 40.
Shepard, L. D., 4*C.* H'y 12.
Shepard, R. M., *sC.* Ware 30.
Shepardson, E. W., 1*S.* S. 10.
Shepherd, L. H., *sC.* 1534 Cambridge.
Sheppard, W. T., 3*C.* M. 31.
Sherburne, A. E., 2*C.* 1132 Mass. Ave.
Sherburne, J. H., 1*C.* Shepherd 3.
SHERIFF, A. R., *Asst.* (also 1*G.*), H'y 5.
Sherman, C. F., 1*S.* 77 Rockview St., Jamaica Plain.
Sherman, W. A., 1*C.* 94 Prescott.
Sherwin, R. W., 1*S.* 125 Holyoke.
Sherwood, H. C., 3*L.* Winthrop 28.
Shinkwin, T. J., 2 *V.* Holyoke.
Shore, H. E., 1*C.* M. 58.
Shrieves, E. B., 2*Dn.* 54 Montgomery.*
Shurtleff, A. A., *sS.* 9 W. Cedar.*
Sibley, A. H., 2*L.* Winthrop 17.
Sides, W. H., 3*C.* W. H. 12.

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Sidis, B., 2*G*. 37 Worcester Sq.*
Siears, F. B., 1*Dn*.
14 Park St., Malden.
Siebert, W. H., 3*G*. 40 Shepard.
Silberberg, W., 1*C*. 1750 Cambridge.
Silbert, J., 1*M*. 2 Poplar Pl.*
Silver, D., 1*M*. Harv. Med. Sch.*
Silverman, A., 1*L*. Ware 33.
Simmons, C. C., 1*M*. 90 Pinckney St.*
Simmons, S. E., 1*M*.
Harv. Med. Sch.*
Simonds, A. T., 1*C*. T. 28.
Simpkins, R., 3*C*. H'ke 10.
Simpson, J. K., 1*L*. Arlington H'g'ts.
Simpson, W. H., 1*V*.
19 Faulkner St., Dorchester.
Simpson, W. S., 1*S*. Read's 16.
Sims, H. U., 2*L*. 104 Mt. Auburn.
Singer, E. A., *Asst*. 9 DeWolfe.
Sise, L. F., 3*C*. 396 Harvard.
Skarstrom, W., 1*M*.
McLean Hospital, Waverley.
Skerrye, W. F., 2*C*. C. 7.
Skinner, A. E., 1*G*. T. 19.
Skinner, M. M., *Asst*. (also 2*G*.), C. 32.
Skinner, P. O., 4*C*. C. 32.
Skinner, R. C., 3*C*.
Forest Hill St., Jamaica Plain.
Skinner, V. V., 2*L*.
2849 Washington.*
Slack, F. M., *Libr. M. Z*. 10 Wendell.
Slade, C. P., 2*C*. W. 24.
Slade, D. D., *Lect. M*. Chestnut Hill.
Slate, A. W., 2*M*. Springfield.
Sledd, A., 1*G*. 1588 Cambridge.
Slee, F. C., 3*L*. Felton 33.
Sleeper, S. W., 1*S*. Little's 5.
Slocum, C. L., 1*S*. 16 Mellen.
Slye, R., 1*C*. C. 34.
Small, A. E., 4*C*. C. 47.
Small, R. A., 3*G*. 15½ Shepard.
Small, R. D., 2*M*. Irvington St.*
Smart, F. E., 3*M*. 143 Worcester.*
Smart, F. L., 4*C*. 24 Leonard Ave.
Smart, J. H., 1*L*. 54 Kirkland.
Smerdon, C. J., 1*C*. 694 Tremont.*
Smith, A. J., 1*C*. G. 4.
Smith, A. R., 1*S*. C. 37.
Smith, C., 4*C*. H'y 12.
Smith, C. B., 2*L*. Winthrop 3.
Smith, C. E., *sC*. 7 Sumner.
Smith, C. L., *Prof*. 64 Sparks.
Smith, C. L., 3*C*. M. 43.
Smith, C. N., 2*C*. Newton.
Smith, E. H., *Prof*. and *Dean of Dent. Fac*. 283 Dartmouth.*
Smith, F. H., 4*C*. W. H. 1.
Smith, F. P., 3*C*. H. 28.
Smith, G. E., 4*C*. S. 32.
Smith, G. W., 1*S*. 3 Sumner.
Smith, H. DeF., 1*G*. 53 Trowbridge.
Smith, H. H., 1*M*. 43 Temple Pl.*
Smith, Harry S., 2*C*. P. 88.
Smith, Herbert S., *sDv*. Lawrence 36.
Smith, J., *Prof. L*. 4 Berkeley.
Smith, L. de F., 4*C*. M. 20.
Smith, L. K., 3*C*. C. 2.
Smith, L. W., 1*L*. Winthrop 9.
Smith, M. T., 3*C*. C. 2.
Smith, P. D., 1*L*. 20 Holyoke.
Smith, P. L., 3*C*. 44 Brattle.
Smith, P. S., 1*C*. 40 Kirkland.
Smith, R. A., 1*M*. 85 Regent.*
Smith, S. J., 2*C*. Read's 14.
Smith, S. P., *grM*. Harv. Med. Sch.*
Smith, T., *Prof*.
41 Orchard, Jamaica Plain.
Smith, T. C., 3*G*. Wadsworth 11.
Smith, V. H., 2*C*. C. 54.
Smith, W. D., 1*C*. C't 23.
Smith, W. Hemans, 1*G*. 14 Shepard.
Smith, W. Henry, 4*M*. 10 Marlboro.*
Smith, W. M., 4*C*. W. 32.
Smith, W. R., 1*V*. W. Brookfield.
Smyser, C. J., 3*M*.
6 Wellington Ter., Brookline.
Smyth, H. L., *Asst. Prof*. 16 Oxford.
Snite, F. J., 1*C*. 61 Oxford.
Snow, C., 3*S*. 1 Wallace Ter.
Snow, F. S., 1*M*.
119 Sedgewick St., Jamaica Plain.
Snyder, B. P., *sC*. Ware 24.
Snyder, W. H., 2*G*. 22 Mellen.
Soch, C. A., *Asst*. (also 1*G*.), 1699 Cambridge.
Soderling, W., 1*C*. C. 23.
Solomons, L. M., 2*G*. 109 Ellery.
Somers, P. E., 1*C*. 1256 Mass. Ave.
Soule, L. F., 4*C*. 65 Putnam Ave.
Soule, W. S., 4*C*. W. H. 6.
Southard, E. E., 3*C*. T. 1.
Souther, A. B., 3*S*. H. 2.
Southworth, E. F., 2*C*. T. 18.
Soutter, R., 2*M*. 82 Huntington Ave.*
Spalding, A. C., 1*C*. C't. 4.
Spalding, F. M., 3*M*. 8 Scott.
Spalding, G. H., 4*C*. C't 4.

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Spalding, R., 2*S.* T. 45.
Spalding, T., 2*L.* 75 Sparks.
Spalding, W. R., *Instr.* 11 Wendell.
Spalter, C. M., 1*M.* Keene, N. H.
Spargo, E. B., 1*C.* W. H. 22.
Spaulding, C. L., 1*M.* Harv. Med. Sch.*
Speare, C. F., *sC.* 48 Wendell.
Spencer, A. W., 2*C.* S. 22.
Spencer, V., 1*C.* Read's 8.
Spencer, W. H., 1*C.* Hilton 31.
Spindler, F. N., 2*G.* 12 Howland.
Spingarn, J. E., 1*G.* Felton 17.
Spivey, A. C., *sS.* Camb. Manual Training School.
Spooner, H. C., 2*L.* H'ke 36.
Spooner, H. G., 3*M.* 96 Pinckney.*
Sprague, A. A., 2*C.* 20 Holyoke.
Sprague, H. H., *Overseer*, 19 Milk.*
Sprague, J. H., 2*C.* 407 Main St., Charlestown.
Sprague, O. M. W., 2*G.* 40 Kirkland.
Sprague, R. B., 3*C.* H. 20.
Sprague, R. W. 4*C.* H. 4.
Spring, J. W., 2*L.* 23 Batavia.*
Spring, S. R., 2*L.* Winthrop 28.
Sproules, J. A., 1*M.* 31 Hillside.*
Squarebrigs, W. D., 1*Dn.* 192 Brooks St., E. Boston.
Staab, E. A., 4*C.* 1134 Mass. Ave.
Staab, J., 1*L.* 1134 Mass. Ave.
Stack, C. F., 3*M.* 10 Wilton St., Hyde Park.
Stack, T. H., 1*S.* 241 River.
Stackpole, J. L., 1*L.* Manter 6.
Stackpole, M. W., 1*G.* 1599 Mass. Ave.
Stackpole, P. L., 2*C.* 1599 Mass. Ave.
Stackpole, W., 2*C.* 52 Mt. Auburn.
Stadelmann, P. J. A., 3*Dn.* 91 Warren Ave.*
Stafford, R. L., 3*C.* M. 23.
Standish, M., *Asst. M.* 6 St. James Ave.*
Stanley, H. K., 3*C.* 82 Montgomery.*
Stanley, H. R., 2*C.* Felton 21.
Stanley, W. P., 1*C.* 1595 Mass. Ave.
Stanton, J. E., *Instr. M.* 414 Boylston.*
Stanwood, E. B., 1*C.* Shepherd 8.
Stanwood, F. M., 3*C.* Shepherd 6.
Staples, F. H., 1*L.* 379 Harvard.
Starbuck, E. A., 2*C.* C. 48.
Stark, W. E., *Asst.* (also 1*G.*), 38 Linnaean.
Starkweather, R. P., 1*M.* W. 45.
Starr, R. H. E., 1*L.* W. H. 35.
Starratt, W. H., 1*Dn.* 97 Hyde Park Ave.*
Start, E. A., 2*G.* Tufts College.
Stearns, F. St. J., 1*L.* 109 Museum.
Stearns, H. N., 1*C.* 44 Wallace.
Stearns, L. C., 2*B.* Mansfield.
Stearns, M., 1*C.* P. 52.
Stearns, R. T., 2*C.* 48 Wendell.
Stearns, W. N., 3*Dv.* D. 14.
Stebbins, C. L., 3*C.* 1611 Mass. Ave.
Stedman, E. H., 1*M.* 80 Elm St., Jamaica Plain.
Stensland, T., 2*C.* Ware 31.
Stephens, C. H., 1*C.* 1750 Cambridge.
Stephens, R. D., 4*C.* Ware 26.
Stepp, J., 3*M.* Harv. Med. Sch.*
Sterling, F. A., 2*C.* Beck 31.
Sterling, R. D., 3*S.* Ware 45.
Stern, M. L., *sL.* 65 Hammond.
Stetson, F. E., 3*M.* 93 Mt. Vernon.*
Stetson, F. W., 3*M.* 5 Oxford Ter.
Stetson, H. C., 3*L.* 48 Buckingham.
Stevens, A. P., 1*M.* 96 Foster St., Brighton.
Stevens, A. W., 3*C.* H'y 23.
Stevens, C. G., 1*S.* Felton 24.
Stevens, E., 2*C.* H'y 17.
Stevens, E. J., 2*L.* Winthrop 25.
Stevens, E. W., 1*S.* 26 Gray.
Stevens, R. E., 3*M.* 37 Falmouth.*
Stevens, S. B., *sS.* Ware 5.
Stevenson, R. H., 3*C.* Little's 10.
Stevenson, T. G., 4*C.* 68 Mt. Auburn.
Stevenson, W. F., 3*S.* S. 9.
Steward, C., 4*C.* H. 24.
Steward, F. R., 4*C.* H. 24.
Steward, J. R., *Asst.* South St., Forest Hills.
Stewart, R. A., 3*L.* 9 Wendell.
Stickney, A., 3*C.* 35 Bow.
Stillman, C. C., 2*C.* Beck 22.
Stillman, C. S., 4*C.* Claverly 30.
Stillman, J. A., 4*C.* Beck 22.
Stillwagen, F. H., 4*C.* Felton 13.
Stilson, W. E., 1*G.* 12 Howland Ave.
Stimson, R. W., 1*Dv.* D. 2.
Stobbs, G. R., 1*C.* 13 Kirkland Pl.
Stockton, P., 4*C.* Little's 2.
Stoddard, A. H., *Instr. Dn.* 196 Marlboro.*

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Stoddard, F. R., 1*C.* W. 48.
Stokes, J. S., 2*G.* 80 Wendell.
Stoll, E. E., 1*G.* 22 Plympton.
STONE, A. K., *Asst. M.*
220 Clarendon.*
Stone, B. H., 2*C.* M. 38.
Stone, F. V., 2*C.* P. 10.
Stone, H. W., *s V.*
Dedham St., Newton Centre.
Stone, J. W., 4*C.*
129 Grove St., Mt. Auburn.
Stone, K., 1*L.* 69 Oxford.
Stone, M. E., 2*C.* Little's 22.
Stone, R. B., 2*C.* Hilton 33.
Stone, W. B., 1*Dn.*
133 Washington St., Lynn.
Stone, W. C., 3*L.* E. Watertown.
Stoops, J. D., 1*Dv.* D. A.
STORER, F. H., *Prof. and Dean of Bussey Inst.* 476 Boylston.*
STORER, J. H., *Curator of Coins in College Library,* 85 State.*
STOREY, M., *Overseer,*
735 Exchange Building.*
Storey, R. C., 4*C.* 9 Linden.
Storrs, H. R., 4*C.* H'y 1.
Story, O. H., 3*L.* 19 Rutland.*
Stothers, E. M., 2*L.* 20 Ware.
Stott, C. W., 1*S.* 52 Mt. Auburn.
Stout, R., 2*C.* C. 10.
Stowe, I. E., 2*M.* 234 W. Canton.*
Stowell, E. C., 2*C.* M. 47.
Stowell, G. L., 1*S.*
1208 Mass. Ave.
Stowell, H. W., 1*C.*
30 Weston St., Waltham.
Stratton, F. B., 2*V.* Swampscott.
Stratton, G. R., 1*C.*
26 Irving St., Watertown.
Straus, P. S., 3*C.* Little's 3.
Straw, P., 1*C.* Ware 52.
Street, A. F., 3*C.* Beck 44.
Strong, L. W., 4*M.* Waban.
Stubbs, F. R., 3*M.* 45 Pearl.
Studley, J. B., 1*C.* 80 Wendell.
Sturdivant, G. W., 3*M.*
67 Humboldt Ave., Roxbury.
Sturgis, C. R., 3*L.* 63 Beacon.*
Sturgis, J. M., 4*C.* Little's 24.
Sughrue, D. F., 2*M.*
61 Julian St., Dorchester.
Sullivan, D., 3*C.* 6 Trowbridge.
Sullivan, J. A., 3*C.* 44 Brattle.
Sullivan, J. B., 2*C.* T. 39.
SULLIVAN, J. J., *Steward Dining Hall,* 30 Inman.
Sullivan, J. L., 1*M.* Harv. Med. Sch.*
Sullivan, J. T., 3*M.*
90 Milton Ave., Dorchester.
Sullivan, M. H., 1*C.* 94 Prescott.
Sullivan, M. X., 1*C.* 56 Plympton.
Sullivan, P. E., 1*M.*
Harv. Med. Sch.*
Sullivan, W. G., 4*M.* 24 Dartmouth.*
Sulloway, R. W., 2*C.* Lerner 6.
SUMICHRAST, F. C. de, *Asst. Prof.* 16 Quincy.
Sutro, F. C., 1*C.* Felton 30.
Swain, H. T., 3*M.* 32 W. Cedar.*
Swan, C. H., 2*L.* 98 W. Newton.*
Swan, G. A., 1*C.* P. 69.
Swan, J. R., 1*L.* Winthrop 10.
Swann, J. B., 2*C.* 25 Holyoke.
Swanton, J. R., 4*C.* P. 63.
Sweet, J. H., 2*M.* Harv. Med. Sch.*
SWEETSER, A. R., *Asst.* (also 3*G.*), 94 Franklin.
Sweezey, A., 4*C.* C. 5.
Swezey, R. E., 2*L.* 69 Oxford.
Swift, F. R., 1*C.* 7 Linden.
Swift, H. M., 1*M.* 3 Oxford Ter.*
SWIFT, J. B., *Asst. M.*
11 Gloucester.*
Swift, J. M., 1*L.* 55 Trowbridge.
SYLVESTER, J. P., *Asst.* (also 1*G.*), T. 49.

TAFT, E. F., *Instr. Dn.* 15 Brattle.
Taft, S. S., 2*C.* W. H. 43.
Taggart, H. W., 1*S.* 11 Wendell.
Talbot, L. H., 1*C.* Ware 16.
Talbot, R., *sC.* Hilton 1.
Talbott, C. N., 1*S.* 5 Linden.
Talcott, W. A., 1*L.* 1686 Mass. Ave.
Talmage, C. H., 2*G.*
48 Merriam St., Leominster.
Talmadge, H., 1*C.* W. H. 16.
Tapper, W. R., 4*C.* 42 Kirkland.
Tarr, F. H., 3*L.* 7 Mellen.
Tatlock, J. S. P., 4*C.* G. 13.
TAUSSIG, F. W., *Prof.* 2 Scott.
Taylor, C. V., 2*C.* 31 Gloucester.*
TAYLOR, E. W., *Asst. M.*
122 Marlboro.*
Taylor, F. B., 1*C.* H'ke 15.
TAYLOR, F. T., *Instr. Dn.*
394 Broadway, So. Boston.
Taylor, G. R., 1*S.* 40 Kirkland.

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Taylor, H. C., 3*C.* W. H. 41.
Taylor, J. D., 1*M.*
178 Princeton St., E. Boston.
TAYLOR, J. L., *Clerk in Bursar's Office,* Wadsworth House.
Taylor, J. R., 4*G.* 49½ Sacramento.
Taylor, L. E., 1*G.* 16 Oxford.
Taylor, V., *sC.* 1734 Cambridge.
Taylor, W. J., 1*C.* W. 40.
Teague, E., 1*M.* Lowell.
Teeple, G. L., 1*G.* 7 Mellen.
Teevens, J. J., 2*C.* W. H. 45.
TENNEY, B., *Asst. M.* 308 Marlboro.*
Terhune, E. B., 1*C.* 45 Wendell.
Teung, C. L., *sS.* 15 Avon.
Tewksbury, E. B., 1*C.* 65 Hammond.
Thacher, A. G., 3*C.* Beck 37.
THAXTER, R., *Asst. Prof.* 3 Scott.
Thayer, F. E., 1*C.* 44 Garfield.
Thayer, H. H., 4*C.* W. 44.
Thayer, Harry W., 2*L.* 3 Sumner.
Thayer, Hartley W., 1*M.* Holbrook.
Thayer, Harvey W., 4*C.*
94 Hammond.
THAYER, J. B., *Prof. L.* 5 Phillips Pl.
THAYER, J. H., *Prof. Dv.* 67 Sparks.
Thayer, J. M., 1*C.* W. 31.
Thissell, B. A., 3*V.* Florence.
Thomas, A. F. S., 2*C.* P. 35.
Thomas, G., 4*C.* 1 Wallace Ter.
Thomas, J. W., 1*M.* 2 Butler Pl.
Thomas, M. R., 1*M.* 946 Beacon.*
Thomas, R. C., 4*C.* W. H. 19.
Thompson, F. H., 2*C.* M. 29.
Thompson, G. W., 1*C.* 57 Brattle.
Thompson, H. S., *sC.* 5 Everett.
Thompson, M. P., 2*L.* 24 Farwell Pl.
Thompson, P. B., 3*C.* Claverly 23.
Thompson, R. H., 2*M.*
Harv. Med. Sch.*
Thompson, V. V., 1*M.*
Harv. Med. Sch.*
Thompson, W. C., *sS.* Felton 9.
Thompson, W. L., *sC.* Claverly 33.
Thompson, W. P., 1*L.* 12 Oxford.
Thomson, C., 1*S.* Claverly 17.
Thomson, F. G., 3*C.* Read's 22.
Thorndike, A. H., 1*G.* 12 Kirkland Pl.
Thorndike, E. L., 4*C.* 12 Kirkland Pl.
THORNDIKE, P., *Asst. M.*
80 Marlboro.*
Thorndike, W., 4*M.* 80 Marlboro.*
Throop, E. A., 1*C.* D. H. 5.
Thurber, E. A., 3*G.* 10 Frisbie Pl.
Thurston, C. S., 1*L.* 8 Appian Way.
Thurston, E. S., 2*C.* Claverly 40.
Thwaits, F. C., 3*L.* W. H. 24.
Tiffany, D., 2*L.* 18 Appian Way.
Tiffany, G. S., 1*C.* Claverly 26.
TILDEN, C. J., *Asst.* (also 4*S.*), T. 18.
Tilden, C. S., 2*C.* P. 50.
Tilden, I. N., 2*M.* W. Roxbury.
TILDEN, J. M., *Asst.* Roslindale.
Tileston, W., 1*M.* Milton.
Tillinghast, J. A., 1*L.* 58 Wendell.
TILLINGHAST, W. H., *Asst. Librarian,* 50 Garden.
Tilney, J. S., *sS.* 21 Trowbridge.
Tilton, W. P., 2*S.* C. 55.
Timlin, J. T., 1*Dn.*
26 Poplar St., Melrose.
TINKER, M. B., *Asst.* (also 1*G.*), Claverly 11.
Tinkham, G. H., 2*L.* 20 Prescott.
Tirrell, E. V. D., 2*C.* H'ke 12.
Tirrell, J. A., 3*C.* 32 Mellen.
Tobey, E. N., 4*C.* 36 Carver.
Tobey, G. O., 2*C.* W. H. 43.
Tobin, J. H., 2*M.* Harv. Med. Sch.*
Todd, A. S., 4*C.* 29 Sacramento.
Tomlinson, F., 1*C.* 50 Frost.
Tompkins, T. D., 2*S.* Hilton 36.
Tonjoroff, S. I., 2*C.* 24 Mt. Auburn.
Tonks, O. S., 2*C.* T. 51.
Torrey, H. A., 2*G.* 61 Oxford.
TORREY, J., *Instr.* (also 2*G.*), 8 Avon.
Torrey, J. P., 4*M.* Harv. Med. Sch.*
Touret, F. H., 3*C.* T. 62.
Tower, B., 1*C.* C. 16.
Tower, F. B., 4*C.* G. 23.
Tower, W. L., *sS.* 61 Oxford.
Towers, F., 1*G.* 1 Wallace Ter.
Towner, J. D., 2*C.* M. 3.
TOWNSEND, C. W., *Asst. M.*
76 Marlboro.*
Townsend, D., 4*C.* T. 35.
Townsend, F., 2*L.* 52 Brattle.
Townsend, R. M., 4*C.* Claverly 54.
TOY, C. H., *Prof.* 7 Lowell.
Tozier, C. H., 2*S.*
30 Thorpe Pl., Somerville.
Train, A. C., 4*C.* T. 8.
Trapp, R. A., 2*C.* 1560 Cambridge.
Trotter, J. R., 1*G.* C. 51.
TROWBRIDGE, J., *Prof. and Director of Jeff. Phys. Lab.* 58 Linnæan.
Truesdale, P. E., 2*M.* 247 W. Newton.*

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Truesdell, W. B., 3*C.* D. 33.
Truitt, R. R., *Proctor* (also 3*G.*), Hilton 23.
Truscott, F. W., *Proctor* (also 3*G.*), 28 Holyoke.
Trybom, J. H., 4*C.* 147 Warren Ave.*
Tuck, A. E., 1*Dn.* 98 Walnut St., Chelsea.
Tucker, D., 1*C.* 5 Linden.
Tucker, P. M., 1*C.* 99 Sedgwick St., Jamaica Plain.
Tucker, R., 3*C.* W. 30.
Tuckerman, E., 2*L.* 30 Holyoke.
Tuckerman, F. L., 1*S.* Shepherd 16.
Tuckerman, L. C., 3*C.* Warland 4.
Tudor, W., 4*C.* 60 Mt. Auburn.
Tupper, A. G., 1*M.* Harv.Med.Sch.*
Turner, C. H., 2*M.* Harv. Med. Sch.*
Turner, D. L., *Instr.* P. 27.
Turner, F. A., 1*C.* Hilton 29.
Turner, H., 3*C.* Claverly 4.
Turner, J. W., *sC.* 1130 Mass. Ave.
Turner, W. B., 2*G.* 184 Melrose St., Melrose H'ghl'ds.
Tuttle, H. A., 1*V.* 23 Sumner St., Hyde Park.
Twohey, J. A., 1*L.* 409 Broadway.
Twombly, J. F., 3*L.*
Tyler, F. S., 1*M.* 45 St. Botolph.*
Tyler, W. M., 1*C.* M. 47.

Ullmann, L., 1*C.* M. 27.
Underhill, S. G., 2*C.* 17 Gilman St., Somerville.
Underwood, L., 3*C.* H'y 17.
Underwood, W. O., *Lect. V.* 50 Atlantic Ter., Lynn.
Upham, H. L., *Instr. Dn.* 128 Charles.*
Upton, J. D., 3*L.* H'ke 24.
Upton, R., 3*C.* 96 Prescott.
Urquhart, D. F., 1*C.* 315 Huntington Ave.*
Utassy, G. von, *sC.* Ware 11.
Utter, R. P., 2*C.* 1256 Mass. Ave

Vail, D. R., 3*L.* Claverly 28.
Vail, R. P., *sC.*
Valentine, J. L., 2*C.* W. 16.
Valentine, L. B., 2*C.* Claverly 30.
Valentine, R. G., 4*C.* M. 53.
VanMagness, B., 2*M.* 829 Broadway, Chelsea.
Vaughan, C. B., 2*Dn.* 231 W. Newton.*
Vaughan, F. A., 2*C.* P. 46.
Veazie, J. C., *sL.* 74 Sacramento.
Vedder, G. C., 1*C.* 22 Mt. Auburn.
Veo, F. H., 2*Dn.* Hotel Pelham.*
Verveer, E., 2*S.* 683 Shawmut Ave.*
Viaux, V., 4*C.* 44 Mt. Auburn.
Vickery, H. F., *Instr. M.* 263 Beacon.*
Viles, G. B., 1*G.* G. 26.
Viles, J., 4*C.* P. 66.
Villard, O. G., *Asst.* (also 2*G.*), 65 Mt. Auburn.
Vinal, H. G., 2*M.* Wellesley.
Vincent, B., 2*C.* 42 Kirkland.
Vincent, J. H., *Preacher*, Topeka, Kan.
Vincent, W. H., 2*C.* T. 62.
Virgin, E. H., 1*C.* T. 63.
Vogel, J. O., 1*M.* W. Quincy.
Vorenberg, F., *sC.* 166 W. Brookline.*
Vosburgh, R. W., *sC.* Felton 36.
Vose, L. E., 2*C.* Hilton 8.
Vose, R. H., 4*M.* Harv. Med. Sch.*

Wade, G. K. B., 1*L.* Winthrop 13.
Wade, J. R., *sC.* C't 26.
Wadsworth, A. C., 2*S.* 6 Woodbridge.
Wadsworth, C. S., 4*C.* Beck 1.
Wadsworth, E., 2*C.* Hilton 19.
Wadsworth, O. F., *Prof. M.* 526 Beacon.*
Wadsworth, R. G., 3*C.* Claverly 25.
Wagner, H. U., 3*C.* C. 57.
Waite, F. C., 1*G.* 49 Oxford.
Wakefield, E. E., 1*C.* Newtonville.
Walcott, H. P., *Fellow*, 11 Waterhouse.
Walcott, P. K., 3*C.* W. H. 18.
Waldo, F. L., 2*C.* P. 39.
Wales, E. deW., 1*M.* Exeter Chambers, Exeter.*
Walker, A. S., 1*S.* Ware 50.
Walker, A. W., 1*B.* Bussey Inst'n.
Walker, C. C., 2*L.* W. H. 34.
Walker, D. H., 2*M.* The Berkshire.*
Walker, E. L., 1*B.* Bussey Inst'n.
Walker, F. A., *Lectr.* 237 Beacon.*
Walker, H. P., 3*S.* 1727 Cambridge.
Walker, W. D., 3*C.* M. 32.
Wallace, A., 2*C.* Claverly 1.
Walling, C. H., 1*M.* Providence, R.I.
Wallingford, P. F., 2*V.* Waltham.

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Walsh, V. J., 1*L.* Felton 22.
WALTON, G. L., *Instr. M.* 199 Marlboro.*
Walton, W. J., 3*M.* 12 Bullard St., Dorchester.
Walworth, J. J., 1*L.* Centre and Mill Sts., Newton.
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